Marco Vinicio Alban-Paccha, PhD, MEng, FHEA

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Engineer, scientist, and educator committed to shaping the future of healthcare and human-machine interfaces by creating technologies that seamlessly connect the physical and digital worlds, thinking across every layer from material foundations to intelligent systems. My vision is to lead innovative research at the intersection of engineering, healthcare, and clinical translation, driving technological advancements and fostering the next generation of academic leaders.

ACADEMIC APPOINTMENTS

2025 – present

BDIC Lecturer/Assistant Professor in Electronic Engineering
University College Dublin, School of Electrical and Electronic Engineering, Dublin, Ireland

Faculty position in the Beijing-Dublin International College (BDIC) dual-degree programmes in Internet of Things Engineering (IoTE) and Electronic and Information Engineering (EiE), **jointly delivered with Beijing University of Technology (BJUT)**:

- Responsible for teaching and coordinating undergraduate modules across Electronic and IoT Engineering, including lectures, laboratories, tutorials, and student assessment, both in Dublin and Beijing (one trimester per year based in Beijing).
- Supervising undergraduate and postgraduate projects, fostering international student mobility and collaboration across UCD and BJUT.
- Developing and sustaining a programme of internationally competitive research in electronic and biomedical engineering, with emphasis on wearable/implantable sensors, IoT for health applications, and AI for digital healthcare.
- Building research collaborations with academic and clinical partners in Ireland, China, and internationally, while actively pursuing independent funding opportunities.
- Contribute to school-level administration and programme development, supporting the long-term growth of UCD's international partnerships.

2022 – 2025

Research Associate, Bioelectronics Laboratory, University of Cambridge, UK
Member of the ADVANTAGE Visceral Pain Consortium
Supervisors: Prof George Malliaras, Prof Geoff Woods, and Dr Nicholas Shenker

Data Manager and Lead of the wearable electronics and mobile apps arm of the MICA ADVANTAGE consortium study regarding visceral pain, funded through the **Medical Research Council as part of UK Research and Innovation** (£4,101,154):

- Managed the acquisition, storage, and allocation of participant data from all sites (Cambridge, Edinburgh and London).
- Configured and administered specialized software and hardware tools for quantitative physiological measurements in healthy volunteers and NHS patients.
- Developed and deployed ML-powered solutions (on-device and cloud-based) to detect, acquire, store, and analyse patient health data, enabling dynamic classification and correlation with pain levels.
- Led the preparation and submission of NHS Ethics applications through IRAS platforms, including writing Patient Information Sheets, Standard Operating Procedures, and Case Report Forms.
- Liaised with institutional legal teams at the NHS Trust and the University to establish intra-consortium agreements for data, sample, and equipment transfer.

Lead of the translational development of a wearable Organic Electrochemical Transistor (OECT)-based platform for multi-modal sweat sensing, funded by the **CAPE Grand Challenge – Systems and Devices for Healthcare** (£50,000) between Haleon and the University of Cambridge:

- Designed, fabricated, and characterised OECT-based electrochemical sensors to measure ions and hormones in diverse biofluids.
- Integrated the electrochemical sensors with corresponding signal analysis electronics as well as communication and power modules while optimizing for low-cost.
- Structured the Intellectual Property of the electronics part of the project through open sourcing, enabling adoption and further validation.

Technology Lead of the translational development of a wearable device employing ML techniques for detecting biomarkers indicative of concussion and other neurological disorders. The project is conducted in collaboration with the Cambridge Department of Clinical Neurosciences:

- Developed sensor fusion and computer vision algorithms to detect neurological biomarkers in wearable platforms.

- Integrated sensing hardware, optimized data acquisition, and low-cost designs for clinical and field deployment.
- Coordinated interdisciplinary teams spanning engineering, neuroscience, and clinical research.
- Led intellectual property strategy and technology commercialisation efforts in collaboration with Cambridge Enterprise.

2022 – 2025   **Associate Lecturer in Engineering, The Open University, Milton Keynes, UK**
Faculty of Science, Technology, Engineering and Mathematics

- Designed and delivered online and blended teaching for undergraduate modules, including *T366 Nanoscale Engineering* and *T452 Engineering Project*.
- Facilitated independent learning for diverse student cohorts, providing formative and summative feedback on assignments, supervising project work, and mentoring students in self-directed research.
- Contributed to module development by integrating examples from biomedical engineering, electronics, and materials science into teaching materials.
- Supported widening participation by adapting teaching to students from varied professional, cultural, and academic backgrounds.
- Strengthened pedagogical expertise in remote and inclusive engineering education, recognised through *Fellowship of the Higher Education Academy (FHEA)*.

2023 – 2025   **Postdoctoral By-Fellow, Churchill College, Cambridge, UK**

Mentor for postgraduate students in the College, providing academic guidance, career advice, and personal support.

2022   **Lecturer, Universidad de las Américas – UDLA, Ecuador**
Faculty of Online Studies

Collaborated on the foundation and design of the *Principles and Strategies in Artificial Intelligence* Online Diploma Program, the first fully online AI diploma in Ecuador:

- Designed and delivered course modules on artificial intelligence concepts, focusing on applied machine learning and system integration.
- Developed curriculum and lecture materials tailored for professional upskilling in AI technologies.
- Created practical assignments and coding exercises to bridge theory and real-world applications across healthcare, engineering, and business sectors.

EDUCATION

2018 – 2022   **PhD in Electrical Engineering, Integrated Organic Electronics Laboratory, Korea Advanced Institute of Science and Technology – KAIST, Daejeon, South Korea**
Title: *Applications of Flexible Dry Electrodes in Biopotential-based Real-time Cardiac Monitoring*
Supervisor: Prof Seunghyup Yoo

Funds acquired through the Attachable Photo Therapeutics Centre for e-Healthcare grant by the Ministry of Science and ICT of Korea. **Doctoral dissertation defended in December 2021**. Major achievements include:

- Developed biocompatible micro-structured dry electrodes for bioelectric potentials.
- Designed the circuitry necessary for close-to-heart ECG and carotid arterial PPG measurements.
- Implemented a mobile application to display ECG, PPG and derived calculated measurements in real-time from a close-to-heart sensor.
- Developed a transparent light waveguide based on holographic gratings ready to mount on regular glasses for Phototherapy tackling Circadian Rhythm Sleep Disorders
- Analysed and optimized a plane-to-point waveguide to increase the luminance of an OLED light source.

2016 – 2018   **MEng in Micro/Nano Systems, Display and Nanosystems Laboratory, Korea University, Seoul, South Korea**
Title: *Optimization of Electron Injection in Organic Light Emitting Diode (OLED) Devices Using Alkali Metal Compounds*
Supervisor: Prof Byeong-Kwon Ju

Funds acquired through the **Korean Government Scholarship Program**, now known as the **Global Korea Scholarship**.

- Conducted experimental studies on alkali metals as electron injection layers, demonstrating enhanced charge transport and device efficiency in OLED architectures.

2006 – 2013	**Engineering Degree in Mechatronics, University of the Armed Forces – ESPE, Sangolquí, Ecuador**
	Final Year Project in collaboration with the **Monterrey Institute of Technology and Higher Studies (ITESM), Mexico**. Title: *Design and Implementation of a SCADA System for Remote Operation of Manufacturing Stations via Internet2* – Supervisor: Dr Alejandro Chacón
2014 – 2016	**Korean Language Student, Pai Chai University, Daejeon, Korea**
2010	**Visiting Exchange Student, Monterrey Institute of Technology and Higher Studies – ITESM, Monterrey, Mexico**

FUNDING

Dr Alban-Paccha has contributed significantly to securing research funding through original project proposals, interdisciplinary collaborations, and strategic planning. He has led and supported grant management activities, including technical reporting, project coordination, milestone planning, and research budgeting, across academic and clinical research environments.

2023	**Co-Investigator**: CAPE Grand Challenge – Systems and Devices for Healthcare 2023 (PI: Malliaras, Co-I: Alban-Paccha). Granted £50,000.00 for salary and research expenses by Haleon from 12/2023 to 05/2024. Wrote proposal and held multiple meetings with company representatives.
2023 – 2026	**Recipient**: Churchill College By-Fellowship (Alban-Paccha). Granted £3,000.00 for research expenses by Churchill College, Cambridge from 02/2023 to 02/2026.
2018 – 2022	**Doctoral Scholar**: Attachable Photo Therapeutics Centre for e-Healthcare (PI: Yoo). Granted tuition, salary and research expenses by the Ministry of Science and ICT of Korea from 03/2018 to 02/2022.
2014 – 2018	**Recipient**: Korean Government Scholarship Program, now known as the Global Korea Scholarship (Alban-Paccha). Granted tuition and salary by the Ministry of Education of Korea from 09/2014 to 02/2018.

TEACHING AND SUPERVISION (Fellow of the Higher Education Academy of the UK)

Dr Alban-Paccha is committed to fostering engaging and inclusive learning environments. He leverages his expertise in wearable sensing, bioelectronics, and AI to mentor and inspire the next generation of engineers and scientists.

University Teaching

Dr Alban-Paccha has developed extensive teaching experience across undergraduate and postgraduate levels, combining classroom, laboratory, and online delivery in engineering and bioengineering. His roles at the University of Cambridge, the Open University, and now University College Dublin (UCD) reflect a progression from supporting and co-delivering courses to leading modules and supervising advanced student projects. His teaching emphasises hands-on experimentation, student-centred learning, and bridging theoretical foundations with applied engineering practice.

2026 – present	**Lecturer, *Embedded Electronics and Software*, University College Dublin**
	Designed and delivered a full lecture and laboratory experiments for over 40 fourth-level Engineering students at the Beijing-Dublin International College.
2026 – present	**Lecturer, *Communication Theory*, University College Dublin**
	Designed and delivered a full lecture and laboratory experiments for over 40 third-level Engineering students at the Beijing-Dublin International College.
2024 – 2025	**Academic Support Tutor, *Part IIB Bioelectronics*, University of Cambridge**
	Provided tutoring through laboratory experiments for over 40 Masters-level Engineering students through laboratory sessions during 2 Michaelmas terms between 2024 and 2025. Assisted in the development of electrophysiology assignments to reinforce key course skills.
2023 – 2025	**Lecturer, *T452 The Engineering Project*, The Open University, UK**
	Supervised final-year engineering projects with a focus on Nanoscale Systems, guiding students through research planning, execution, and technical reporting (20+ students between 2023–2025).
2022 – 2025	**Lecturer, *T366 Nanoscale Engineering*, The Open University, UK**
	Developed 'Health Applications of Nanoscale Engineering' lectures, integrating cutting-edge research with student learning (50+ students between 2022–2025). Supported student learning through continuous feedback and assessment of coursework and project deliverables.
2022 – 2025	**Supervisor, *Part IA Computing*, Homerton College, University of Cambridge**
	Led small-group tutorials (supervisions) for first year Engineering students, covering core computing and programming concepts (40 students between 2022–2024, 19 students in 2024–2025). Supervision is the University of Cambridge name for a small group tutorial.
2023 – 2024	**Academic Support Tutor, *Part IA Computing*, University of Cambridge**

Provided technical support and tutoring for over 600 first-year Engineering students through Help Desk sessions during 2 Michaelmas terms between 2023 and 2024. Assisted in the evaluation and marking of programming assignments to reinforce key computational skills.

2022   **Lecturer,** *Intelligent Systems***, Universidad de las Américas – UDLA, Ecuador**
Designed and delivered a full lecture series for an Artificial Intelligence diploma course, pioneering Ecuador's first online AI program.

2012 – 2013   **Laboratory Assistant, Computer Integrated Manufacture Laboratory, University of the Armed Forces – ESPE**
Guided students through PLC programming and HMI design for manufacturing automation capstone projects.

2011   **Laboratory Assistant, Mechanics and Mechatronics Instrumentation, University of the Armed Forces – ESPE**
Developed and implemented hands-on experiments in sensor characterization and data acquisition using LabVIEW for undergraduate courses.

Supervision of University Students

Dr Alban-Paccha has actively mentored undergraduate, master's, and visiting students within Prof. George Malliaras' research group at the University of Cambridge. Although not formally listed as a co-advisor, he has played a critical role in shaping research directions, providing technical guidance, supporting experimental work, and advising on data analysis. His mentorship has contributed to multiple student-led publications and to the advancement of students' academic and professional careers.

2022 – present   **Luke Gatecliff**, doctoral Candidate in Engineering. Title: *OECT-based Ion Sensors for Athletics and Healthcare*

2023 – present   **Christopher Slaughter**, doctoral Candidate in Engineering. Title: *Biopotential Gastric Movement Measurement Platform*

2024 – present   **Kieran Cullen**, doctoral Candidate in Medicine. Title: *Analysis of Body-Map dataset from the ADVANTAGE Pain Survey*

2025   **Bartosz Zygowski**, undergraduate summer Intern in Engineering. Title: *Optimisation of Integrated Microfluidic Devices*

2025   **Cristiano Bortolotti**, visitor from the Polytechnic University of Milan, Italy

2023 – 2024   **Gemma Jacobson**, graduated with a MEng (Hons). Title: *Cuffless Biopotential-Based Blood Pressure Estimation*

2023   **Seungjin Chai**, visitor from the Pohang University of Science and Technology – POSTECH, Korea

Early-years Teaching and Supervision

2023 – present   **Tutor, Nanoscale and Nanoengineering, Cambridge Centre for International Research (CCIR)**
Tutor, Sensors in Wearable Technology, CCIR
Mentor, 1-on-1 Program, CCIR
Design and teach research-based courses on wearable sensors and nanoscale engineering for advanced high school and undergraduate students. Mentor students in developing independent research projects, emphasizing critical thinking, technical writing, and scientific communication.

PUBLICATIONS AND MANUSCRIPTS

Dr Alban-Paccha's publications are listed below, including peer-reviewed articles, patents, manuscripts under review, and works currently in preparation. Online links are provided where available. ([‡] Joint first authorship, * Corresponding authorship)

1. **Alban-Paccha, M.V.**, Teran-Perez, J., Gul, U., Shenker, N., Malliaras, G.G., and Woods, C.G.* (2025). *Enhancing Clinical Research Outcomes with Wearable Sensors: Compliance, Accuracy, and Stakeholder Perspectives with Pilot Data from the ADVANTAGE Consortium*. In Preparation.

2. **Alban-Paccha, M.V.***, Shenker, N., Teran-Perez, J., Horne, A.W., Malliaras, G.G., Woods, C.G., and the ADVANTAGE Consortium (2025). *ADVANTAGE: Advanced Discovery of Visceral Analgesics by Neuroimmune Targets and the Genetics of Extreme human phenotype, a study protocol*. PLOS One. Under Review.

3. Sills, V.A.*, Rennie, K.L., Rzechorzek, N.M., Watson, C.J., Scott, S., Langford, J., Alderton, W., Li, N., Mascolo, C., Martinez-Hernandez, V., Antoniou, A., **Alban-Paccha, M.V.**, Shreves, A.H., Flewitt, A.J., and Fitzgerald, R. (2025). *Can Wearable Technologies Assist in the Earlier Detection of Cancer?* Wellcome Open Research, https://doi.org/10.12688/wellcomeopenres.24402.1

4. Tao, X., Carnicer Lombarte, A., Dominguez Alfaro, A., Gatecliff, L., Zhang, J., Bidinger, S., Keene, S.T., Naegele, T.E., El Hadwe, S., Dong, C., Boys, A.J., Slaughter, C., Ruiz-Mateos Serrano, R., **Alban-Paccha, M.V.**, Kar-Narayan, S.,

and Malliaras, G.G.* (2025). *Cleanroom-Free Toolkit for Integrating Submicron-Resolution Bioelectronics on Flexibles*. Small, https://doi.org/10.1002/smll.202411979

5. Serrano, R. R-M., Aguzin, A., Mitoudi-Vagourdi, E., Tao, X., Naegele, T., Jin, A., Lopez-Larrea, N., Picchio, M.L., **Alban-Paccha, M.V.**, Minari, R.J., Mecerreyes, D., Dominguez-Alfaro, A.*, and Malliaras, G.G.* (2024). *3D Printed PEDOT:PSS-based Conducting and Patternable Eutectogel Electrodes for Machine Learning on Textiles*. Biomaterials, https://doi.org/10.1016/j.biomaterials.2024.122624

6. **Alban, M.V.**, Lee, H., Moon, H., and Yoo, S.* (2021). *Micromolding Fabrication of Biocompatible Dry Micro-Pyramid Array Electrodes for Wearable Biopotential Monitoring*. IOP Flexible and Printed Electronics, https://doi.org/10.1088/2058-8585/ac3561

7. Lee, H., Lee, W., Lee, H., Kim, S., **Alban, M.V.**, Song, J., Kim, T., Lee, S., and Yoo, S.* (2021). *Organic–Inorganic Hybrid Approach to Pulse Oximetry Sensors with Reliability and Low Power Consumption*. ACS Photonics, https://doi.org/10.1021/acsphotonics.1c01161

PRESENTATIONS AND OUTREACH

Dr Alban-Paccha has actively presented his research at international conferences, symposia, and through invited talks, sharing insights into the future of wearable sensing, mobile health technologies, and translational bioelectronics. His contributions span topics in bioelectronics, flexible electronics, and translational healthcare technologies, fostering interdisciplinary collaboration and innovation. (‡ Joint first authorship)

Conference Presentations

1. **Alban-Paccha, M.V.**, Gatecliff, L., Lee, C., Jang, S., Slaughter, C., Kissovsky, S., Keene, S.T., Han, S., and Malliaras, G.G. *Multimodal Transistorized Wearable Electrochemical Sensor Platform for Ion and Enzyme Analysis*. ZJU-Cambridge Youth Scientist Forum, Zhejiang University, Hangzhou, China, 29 August 2025

2. **Alban-Paccha, M.V.**, Shenker, N., Woods, C.G., and Malliaras, G.G. *Predicting Pain Flares from Wearable Sensor Data and Patient Reports: Initial Insights from the ADVANTAGE Study*. Oral presentation at the 18th International Symposium on Flexible Organic Electronics ISFOE25, Thessaloniki, Greece, 8 July 2025.

3. **Alban-Paccha, M.V.**, Cullen, K., Woods, C.G., Malliaras, G.G., and Shenker, N. *Visually Understanding Chronic Visceral Pain: Results from the ADVANTAGE UK National Survey on Visceral Pain*. Poster presentation at the 2025 APDP Annual Conference, Newport, Wales, 3 June 2025.

4. **Alban-Paccha, M.V.**, Teran-Perez, J., Shenker, N., Woods, C.G., and Malliaras, G.G. *Wearable Sensors and Mobile App Data for the Modelling and Classification of Visceral Pain*. Oral presentation at the 17th International Symposium on Flexible Organic Electronics ISFOE24, Thessaloniki, Greece, 4 July 2024.

5. **Alban-Paccha, M.V.**, Teran-Perez, J., Shenker, N., Woods, C.G., and Malliaras, G.G. *Wearable Sensors and Mobile App Data for the Modelling and Classification of Visceral Pain*. Oral presentation at the 'Can Cancer be Detected Earlier by Employing Wearable Technologies?' symposium organised by the Early Cancer Institute and Precision Health Initiative, Cambridge, UK, 20 October 2023.

6. **Alban, M.V.**, Lee, H., Moon, H., and Yoo, S. *Biocompatible Microneedle Array Dry Electrodes for Bioelectric Potentials Measurement in Organic-Electronic Wearable Health Monitoring Applications*. Best Poster Award Nominee at MRS Fall 2019, Boston, USA, 4 December 2019.

7. **Alban, M.V.**, Lee, H., Moon, H., and Yoo, S. *Flexible and Fully Biocompatible Microneedle Array Dry Electrodes for Bio Potentials Measurement in Organic Electronic Wearable Healthcare Applications*. Poster presentation delivered at Electronic Materials and Nano Technology for Green Environment ENGE 2018, Jeju, Korea, 19 November 2018

8. **Alban, M.V.**, Choi, J., Jung, S.G., Shim, Y.S., Park, Y.W., and Ju, B.K. *Comparative study of different alkali metal compounds as efficient electron injection materials in OLED devices*. Best Poster Award at the Workshop on Photophysics and Nanomaterials WONPHYS 2017, Varadero, Cuba, 27 September 2017.

Invited Presentations

1. **Alban-Paccha, M.V.** *Multimodal Transistorized Wearable Electrochemical Sensor Platform for Ion and Enzyme Analysis*. Aristotle University of Thessaloniki, Thessaloniki, Greece, July 2025

2. **Alban-Paccha, M.V.**, Shenker, N., Teran-Perez, J., Horne, A.W., Woods, C.G., and Malliaras, G.G. *Wearable Sensors and Mobile App Data for the Modelling and Classification of Visceral Pain Flares*. ADVANTAGE General Annual Meeting, University of Edinburgh, Edinburgh, UK, April 2024

3. **Alban-Paccha, M.V.**, Shenker, N., Woods, C.G., and Malliaras, G.G. *Innovative Wearables and Mobile Apps for Managing Visceral Pain: Insights from the ADVANTAGE Consortium*. Addenbrooke's Hospital, Cambridge, UK, July 2023

4. **Alban-Paccha, M.V.**, Shenker, N., Woods, C.G., and Malliaras, G.G. *Cutting-Edge Wearables and Mobile Applications for Visceral Pain Management: Perspectives from the ADVANTAGE Consortium*. Korea Advanced Institute of Science and Technology – KAIST, Daejeon, Korea, June 2023

5. **Alban-Paccha, M.V.**, Shenker, N., Woods, C.G., and Malliaras, G.G. *Revolutionising Visceral Pain Management: Advances in Wearable Technology and Mobile Applications from the ADVANTAGE Consortium*. Pohang University of Science and Technology – POSTECH, Pohang, Korea, June 2023

6. **Alban-Paccha, M.V.** *Academic Achievements and Research Outcomes Following the Korean Government Scholarship*. Embassy of the Republic of Korea in Ecuador, Quito, Ecuador, July 2022

7. **Alban-Paccha, M.V.** *Enhancing Educational Excellence: The Impact of Korea-Trained Researchers' Skill Transfer*. SWIFT Talks, San Francisco de Quito University – USFQ, Quito, Ecuador, February 2020
8. **Alban-Paccha, M.V.** *Organic Electronics Masterclass*. Armed Forces University – ESPE, Sangolquí, Ecuador, February 2020

PROFESSIONAL TRAINING AND CERTIFICATIONS

To support his interdisciplinary research and educational activities, Dr Alban-Paccha has undertaken professional training in university-level teaching, online learning design, research ethics, clinical governance, and technology commercialization. This diverse development reflects his commitment to excellence in academic leadership, innovation, and responsible research.

2025 **Fellow of the Higher Education Academy of the UK**, Advance HE, UK
Recognized as a Fellow of the Higher Education Academy (FHEA) in the UK for a commitment to excellence in teaching and learning in higher education. This fellowship reflects a deep understanding of effective teaching practices, including curriculum design, student engagement, and inclusive education. It highlights a dedication to supporting student learning through evidence-based approaches and fostering an enriching educational experience.

2023 **EnterpriseTECH**, Judge Business School, University of Cambridge, UK
Programme at Cambridge Judge Business School, focused on commercializing STEM innovations, strategic project management, and interdisciplinary teamwork.

2024 **Learning to Teach Online**, University of New South Wales (UNSW Sydney) via Coursera
Structured course on designing, delivering, and evaluating effective online and hybrid learning experiences, with emphasis on learner engagement and pedagogical strategies.

2023 **Clinical Research Governance Training**, University of Cambridge and NHS Cambridge University Hospitals, UK
Training in Good Clinical Practice (GCP) principles, ethical submission processes, and clinical research management for NHS-regulated studies.

2022 **Research Integrity and Ethics Training**, University of Cambridge, UK
Research integrity course covering responsible research practices, data management, authorship ethics, and research governance.

2022 **Problem-Based Learning (PBL) Supervision Training**, University of Cambridge, UK
Training in strategies for supervising and mentoring undergraduate students in problem-based learning courses, fostering critical thinking, independent research skills, and applied problem-solving.

SERVICE AND OUTREACH

Beyond research and teaching, Dr Alban-Paccha is committed to strengthening the academic community through peer review, student mentorship, public engagement initiatives, and leadership roles in professional organizations. His service work reflects a dedication to advancing interdisciplinary collaboration and fostering inclusive research cultures.

- **Reviewer**, Flexible and Printed Electronics, Institute of Physics (2023 – present).
- **Reviewer**, Nanotechnology, Institute of Physics (2023 – present).
- **Administrator and Planner**, PPI for Neurotech Initiative, Cambridge, UK (2024 – 2025). Coordinated meetings and PPI panels with Parkinson's UK and McPin charities.
- **Reviewer**, IEEE International Conference on Flexible and Printable Sensors and Systems (2023 – 2024).
- **Council Head**, Electrical Engineering International Students Council, KAIST, Daejeon, Korea (2019 – 2020).
- **Vice-President**, School of Engineering International Students Group, Korea University, Seoul, Korea (2017 – 2018).
- **Co-Founder and President**, Ecuadorian Residents in Korea Association, Seoul, Korea (2017 – 2018). Collaborated on legal framework recognition by the Korean Government and represented the Ecuadorian community in diverse events.