

ROEL-JUNIOR ALEJO VIERNES

Computer Science BSc (Hons) Graduate

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PERSONAL STATEMENT

I'm a Computer Science graduate (2:1) with a focus on Computer Vision and Human-Computer Interaction. Developed various projects during my time including a real-time Hand Gesture Recognition system for my final year project, emulating traditional PC interaction via sign language translation. Combines technical engineering foundations with professional video production experience for the University of Greenwich. Also skilled in NFC technology, having created NFC-based engagement tools to increase interaction and sustainability during university events. Passionate about the intersection of generative AI and creative tools, and eager to contribute to building high-fidelity, performant web applications.

PROJECTS

- Final Year Project: HandTyper - Hand Gesture based PC Interaction**
The aim of this project is to introduce the potential use of Real-time Hand Gesture Recognition as a medium to interact with the commonplace PC; Outside of using the traditional mouse-and-keyboard approach. Using libraries like Mediapipe, OpenCV and TensorFlow. This project involves the development of a Computer Vision model which would emulate a mouse and keyboard. The keyboard will be done through the use of sign language translation of the British Sign Language (BSL) and mouse operation would be done with the simple use of Landmark detection across the video feed of the user.
- comptech.gre/hunt - An NFC based In-Person treasure hunt**
With the use of NFC tags, I created a treasure hunt experience for new students joining the University during their Open Days. The project involved designing clues, programming NFC tags to provide hints, and setting up the physical locations around the campus to enhance student engagement and interaction.
- University Open Day Guides w/ NFC Tags**
To assist prospective students during the University Open Days whilst upholding the university's commitment to sustainability. I introduced a new system where staff members would have NFC tags linking towards a digital guide for the open day. This reduced the need for printed materials and allowed for easy access to information via smartphones.

EDUCATION

BSc (Hons) - Computer Science - 2:1

University Of Greenwich

Sep 22 - Jul 25

Greenwich, London

A Level

University of Kent Academies Trust

Sep 20 - Jun 22

Gillingham, Kent

GCSE

Brompton Academy

Sep 15 - Jul 20

Gillingham, Kent

INTERESTS

Technical

- Human Computer Interaction
- Cloud Computing
- Hardware Engineering
- Machine Learning
- Video Editing

Hobbies

- Content Creation / Social Media
- Music
- Traveling
- Gaming

VOLUNTEERING

Society President

comptech.gre (Greenwich Students Union)

Sep 24 - Jul 25

Greenwich, London

Programme Representative

Greenwich Students Union

Sep 23 - Jul 24

Greenwich, London

SKILLS

English
Tagalog/Filipino
Spanish



EXPERIENCE

Faculty Social Media Assistant

University of Greenwich

📅 June 2023 - Oct 2025 📍 Greenwich, London

- Conceptualised and produced technical video content for the Faculty of Engineering & Science, managing the full production lifecycle from storyboarding to final render.
- Streamlined content workflows by [mention any tools or automations you used, e.g., using Python scripts for batch processing or specific project management software] to increase publication frequency.
- Collaborated with technical stakeholders (Professors, Researchers) to translate complex engineering concepts into accessible digital content, demonstrating the ability to bridge the gap between deep tech and user experience.
- Maintained brand consistency across multiple platforms, ensuring high-fidelity output for major university campaigns (Clearing, Open Days).
- I've additionally participated within the content creation for various marketing campaigns in the University (Inc. Clearing, Open Days etc.) as well as starred in the University's Profile video for the Computer Science suite of degrees on YouTube.

Student Ambassador

University of Greenwich

📅 Oct 2022 - Oct 2025 📍 Greenwich, London

- This role had allowed me to work for multiple different departments within the University including UK Student Recruitment, Outreach as well as roles within my own faculty. I had to constantly adapt my workflow and stance to appease the different stakeholders that I worked with as well as ensuring the I've furtherly received the University of Greenwich Instrumental Ambassador Award in 2024 for the contributions I've made in my role to the Scheme as a whole.

Teacher Assistant

Brompton Academy

📅 Jan 2022 - Jul 2022 📍 Gillingham, Kent

- As a Teacher Assistant for Brompton Academy, I was responsible for supporting Year 10 students with their learning in Business Studies. I assisted in lesson preparation, provided one-on-one support to students, and helped manage classroom activities to create a positive learning environment.

SKILLS

Python Java Adobe Creative Suite
HTML & CSS Git/GitHub
Figma Machine Learning
JavaScript (Currently Learning)
Cloud Computing
UI/UX Design Video Editing
Social Media Video Production
Leadership Teamwork
Communication

CONTACT

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- LinkedIn: [linkedin.com/in/rjviernes620](https://www.linkedin.com/in/rjviernes620)

-  **Instrumental Ambassador Award 2024**
Received at Greenwich Employability Awards for Performance and contribution to the scheme over the year.
-  **Making a Difference Award 2024**
Recieved from the Faculty of Engineering and Science for volunteering and contribution to the University community.