

Contact

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Education

2026

Honours Computer Science

Exchange at The Hong Kong Polytechnic University

2024 - 2025

Bachelor Honours Programme

Entrepreneurship & Business Development

2022 - 2026

Business Information Technology

University of Twente GPA: 4.0

2020 - 2022

IB DP Diploma

United World College Maastricht

Skills

Soft Skills

- Report writing, minute taking
- Presenting, pitching, public speaking
- Project management
- Teamwork & collaboration
- Problem solving & critical thinking
- Stakeholder communication

Technical Skills

- Java, Python, SQL, JS, Git, etc.
- Proficient English & Spanish
- Graphic Design (Figma, Photoshop)
- Working Level German & Dutch
- Business Analysis (BPMN)
- Business Intelligence (Tableau)
- Agile & Scrum Methodologies

Daniel Frutos Rodríguez

Computer Science Student in Hong Kong

Honours Computer Science student at The Hong Kong Polytechnic University with an international background and strong academic record. Experienced in research, teaching, and software development through roles as a teaching assistant and student assistant, alongside project work. Enthusiastic about the intersection of technology, business, and sustainable development, with a focus on applying digital solutions to real-world challenges in diverse and international contexts.

Work & Research Experience

2025 - Present

Enschede, the Netherlands

Teaching Assistant - University of Twente

Teaching assistant for the courses "Computational Thinking with Python", "Databases, Operating Systems and Networks", "Principles of Object-Oriented Systems" and "Advanced Topics in Programming". Activities include assisting students at practicals, conducting meetings with students to provide help and guidance, correcting exams and facilitating course and classroom organization.

2025

Enschede, the Netherlands

Student Assistant - University of Twente Honours Programmes

Worked in IT and process management at the Honours Office. Activities included maintenance and development of web portals, optimization of digital processes and elicitation of requirements for improved digital organizational systems based on communication with relevant stakeholders.

2025

Enschede, the Netherlands

Bachelor Thesis

Wrote my thesis "*Balancing diversity and preferences: Mono-objective versus Multi-objective Approaches to the Educational Team Formation Problem*", where I implemented metaheuristic algorithms in Python for an exploratory study. Earned a best paper nomination at the TSCIT, and was awarded a grade 9.5/10. Awaiting formal publication.

Projects

2025

Enschede, the Netherlands

Development of Digital Twin for Port of Twente

- Developed a digital twin framework recommendation for Port of Twente, then exceeded scope by delivering a full implementation report and prototype integrating third-party and in-house water-level predictions to optimize routing and logistics.
- Final deliverable graded 10/10, with results presented to the regional research consortium (Port of Twente, Port of Zwolle, ForFarmers, Nobian, and others).

2024

Enschede, the Netherlands

Development of Project Plan for Irixs

- Developed a project plan for CRM deployment in car dealerships using Agile methods.
- Delivered comprehensive strategy and documentation; graded 10/10.

2023

Enschede, the Netherlands

New Inter-Actief RIAly Website

- Built a gamified event website in team of 6 using Java, JavaScript, HTML, CSS, & SQL.
- Project awarded best of all groups and graded 9.6/10.