

GERARD CASTELL

SOFTWARE ENGINEER

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PROFESSIONAL SUMMARY

I am a software engineering student with passion for computer science, software development, and artificial intelligence. As a final year student, I am eager to apply my software engineering knowledge and practical experience to create innovative solutions to real-world problems. With my solid background in software engineering and practical experience in AI, I am confident in making valuable contributions to any project.

SKILLS

- **Programming and Database:** Java (Spring), JavaScript (Node.js, ReactJS), TypeScript, C++, Python, HTML/CSS, Kotlin, SQL (MySQL, PostgreSQL)
- **Software Development:** Agile Frameworks, Version Control (Git, Gitflow), Issue Tracking (Jira), Cloud Computing.
- **Aptitudes:** Perseverance, Communication, Teamwork, Leadership and self-learning

EXPERIENCE

Software Engineer (Internship), *MANGO* June 2022 - Present

Conversational AI Engineer at IRIS Virtual Assistant:

- Implementation of new features, code reviews and debugging sessions to ensure high levels of performance and accuracy.
- Collaboration with cross-functional teams to design and develop virtual assistant features that utilized NLP, NLU machine learning, and other AI technologies.
- Optimization of the user experience by designing, developing, and maintaining conversational flows, intents, and entities on DialogFlow CX.
- Development and integration of a new image recognition module with Computer Vision tools, which allows the virtual assistant to recognize and respond to visual data.
- Research and evaluation of new emerging AI technologies and techniques to enhance the virtual assistant's functionality and keep it at the forefront of the industry.

Salesperson, *FNAC* March 2022 - June 2022

Technology sales specialist.

Teacher, *Profe.com* February 2022 - March 2022

Mathematics, Physics and Chemistry private tutor for high school students.

PROJECTS

Image recognition module for an intelligent virtual assistant, *MANGO* June 2023

Final degree project for Mango, where Computer Vision tools were used to create a image recognition module for the intelligent virtual assistant.

Deliveryn't, *Universitat Politècnica de Catalunya* December 2022

Developed a Full-Stack project to optimize last mile deliveries in Barcelona. Final Grade: 10/10.

ElektroGO, *Universitat Politècnica de Catalunya* June 2022

Degree project done in a group to facilitate green mobility in Barcelona. Final Grade: 9.5/10.

EDUCATION

Software Engineering, *Universitat Politècnica de Catalunya* September 2019 - June 2023

Actual Grade: 7.5/10

Technology Bachillerato, *Padre Damián SSSC* September 2017 - June 2019

Final Grade: 9.3/10

Dual Diploma, *Academica International Studies* September 2015 - June 2019

Convalidation of American High School Diploma. GPA: 3.88/4

LANGUAGES

- Catalan: Native
- Spanish: Native
- English: Advanced Level
- French: Basic Level