

Eduardo Alarcón

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I am a computer science student passionate about low-level software development, artificial intelligence, and software development. I am currently pursuing a master's degree in Computer Engineering at UC3M.

EDUCATION

University Charles III of Madrid (UC3M) <i>Master's in Computer Science Engineering - GPA 8.43/10</i>	September 2025 — January 2027 <i>Madrid, Spain</i>
University Charles III of Madrid (UC3M) <i>Bachelor's of Computer Science and Engineering - GPA 7.81/10</i>	September 2021 — June 2025 <i>Madrid, Spain</i>
University of Illinois, Urbana-Champaign <i>Bachelor's of Computer Science and Engineering - Exchange Program</i>	August 2024 — May 2025 <i>Urbana-Champaign, IL, USA</i>
Relevant Coursework: Deep Learning for Computer Vision, Distributed Systems, Programming Languages & Compilers, Applied Parallel Programming.	

TECHNICAL SKILLS

- Programming Languages:** Python, C, C++, Go, JavaScript, SQL, TypeScript, Swift
- Libraries/Frameworks:** [Data] NumPy, Pandas, Scikit-learn, Matplotlib, [DL] Pytorch; [Kernels] CUDA; [Web] React, Astro, Svelte, Tailwind CSS, NodeJS, CrowCpp; [Cloud] Docker; [VC] Git
- Databases:** PostgreSQL, MySQL, MongoDB, ConvexDB

SOFT SKILLS

- Problem solving, teamwork, adaptability, time management, communication
- Languages:** Spanish (native), English (C2, proficient), French (B2, intermediate)
- Driving Licence** and immediate availability

EXPERIENCE

Personal Técnico de Investigación - Analista de Datos University Charles III of Madrid (UC3M)	May 2026 — August 2026 <i>Madrid, Spain</i>
- Researcher in the Data, Integration and Automation section of the EITEL project. - Development of tools for automating tasks related to data analysis (extraction, processing, cleaning, structuring and visualization).	

PROJECTS

Locker Reservation System for Student Council (servicios-delegacion.uc3m.es)	August 2023 — August 2024
- Developed a Svelte web page integrated with a backend in Go to streamline locker reservations for the Student Council. - Built a secure API for storing reservation details and student information. - Implemented a database with automated backups using cron jobs and authenticated API calls. - Backend optimized to handle 700+ requests per second.	
AGDownloader (github.com/Astrak00/AGDownloader)	August 2024 — December 2025
Developed a CLI application in GO to download all the files associated with a user / course in the system AulaGlobal, the main system used by the university.	
StyleSnap (github.com/Astrak00/StyleSnapApp)	January 2025 — January 2026
- Developed a mobile application in Swift that uses computer vision to identify clothing items, allowing users to know what items they have in their wardrobe. - Implemented a deep learning model for clothing image recognition. - Recommendation model for other clothing items based on the selected one.	

EXTRACURRICULAR ACTIVITIES

- Guided freshmen during their first semester as a mentor.
- Led the Student Council's Computer Science department initiatives.
- Member of the Student Council of the University Charles III of Madrid (2020-2026)