

Jad F. Alaoui

linkedin.com/in/jadalaoui • alaoui@umich.edu • (734) 864-2590

EDUCATION

University of Michigan

August 2022 – May 2026

B.S.E. in Computer Science

Ann Arbor, MI

- **CS Coursework:** Programming and Data Structures, User Interface Development, Data Structures and Algorithms, Discrete Mathematics, Machine Learning, Algorithm and Computation Theory, Computer Organization, Command-Line Interfaces
- **Honors and Extracurriculars:** College of Engineering Dean's List, Traders at Michigan, Michigan Hackers

EXPERIENCE

Ineos

June – August 2023

Software Engineer, Internship

Remote

- Led the development of an internal inventory tool to track laptops within the office environment, utilizing Python, HTML/CSS, SQLite, and the Django framework. Incorporated feedback from IT and Cybersecurity teams to tailor the tool to their specific requirements and ensured it met the company's standards in terms of security and accessibility compliance.
- Designed and implemented a comprehensive full-stack solution, including an internally hosted web application, to streamline the process of tracking and assigning company-issued laptops. This tool, still in active use, has significantly improved office asset management and allocation efficiency.

ITS-University of Michigan

October 2022 – Present

Sales Consultant, Part-time

Ann Arbor, MI

- Managed equipment orders exceeding \$1 million for various departments, faculty, staff, and students. Ensured smooth procurement processes and respect of timelines.
- Proficiently utilized enterprise-level e-commerce software and attained certification for Apple Retailer applications to assist customers with their purchases.

Casablanca Stock Exchange

June – August 2022

Software Engineer, Internship

Casablanca, Morocco

- Collaborated with the Information Systems team to facilitate the stock exchange's transition to online trading. Contributed to the implementation of solutions that significantly reduced operation processing time, contributing to improved efficiency.
- Participated in discussions with the C-Suite, led by the CEO, regarding the future of retail trading in Morocco. Learned about market trends and regulatory considerations, gaining insights into the financial industry's impact on the local economy.

Nokia

June – July 2021

Software Engineer, Internship

Rabat, Morocco

- Collaborated with the sales and logistics team to develop Python scripts, optimizing tasks such as customer support and network optimization. Gained hands-on experience in scripting and problem-solving, honing my skills in automation and optimization.
- Participated in network planning projects across Africa, shadowing key executives. This opportunity provided valuable insights into network infrastructure, strategic planning, and cross-functional collaboration, contributing to my understanding of telecom operations on a global scale.

PROJECTS

BikePlay

February – April 2023

Python, React, Linux, RaspberryPi, Circuits, CarPlay for Developers

- Collaborated with a project team to design and develop a product that seamlessly integrates CarPlay technology into bicycles, providing cyclists with an enhanced and connected riding experience.
- Researched Cyclist Safety and Industrial Design standards to create a safe, ergonomic device adapted to everyday use. Ran a series of tests to ensure that the device was fit for the intended user base's needs.

Archives Collective

January – June 2022

HTML/CSS, Adobe Creative Suite, Microsoft Office 365

- Initiated and led a community project aimed at bridging the technology gap in public schools by introducing students to fundamental concepts of Computer Science. Targeted schools with limited access to technology resources, fostering inclusivity and diversity in STEM education.
- Designed and conducted weekend classes with tailored curriculum modules encompassing programming in Python, basic Video Editing, Word Processing, and Slideshow Design. Inspired and empowered students to explore their creativity and develop essential digital literacy skills.

SKILLS

Technical Languages: Python, C++, MATLAB, Java, JavaScript/TypeScript, HTML/CSS, SQL (SQLite), R, \LaTeX

Tools: Git, Jupyter Notebook, Django, Magento, Adobe Creative Suite, VMWare

Languages: English, French, Arabic, Spanish