AHMAD ELMAHALLAWY

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Skills

Languages: Java, Python, C++, JavaScript, TypeScript, HTML, CSS, PHP, C, C#, SQL, MongoDB
Developer Tools: Git, Jira, Postman, Figma, GitHub, AWS CodeCommit, Docker
Technologies/Frameworks: React, Express, Bootstrap, Tailwind, Next.JS
Languages: English, French, Arabic

Experience

Concordia University   **September 2023 – Present**
Teaching Assistant for Object Oriented Programming II   *Montreal, Quebec*
- Conducting weekly support sessions for a group of 200 students, resulting in an increase in attendance and demonstrating their effectiveness in addressing course-related questions and assignment challenges.
- Collaborating closely with professors to mark assignments and examinations, particularly those involving Java programming, further contributing to the overall academic growth and achievement of students.

Bombardier Inc.   **January 2023 – August 2023**
Software Developer Intern   *Dorval, Quebec*
- Worked on a digital platform for the management of Bombardier's business jets by contributing to multiple UI core features such as App Marketplace to provide services and subscription to the users.
- Resolved 80% of the reported bugs during the internship, resulting in a 15% enhancement in the overall efficiency and performance of the platform.
- **Technologies Used**: React, JavaScript, TypeScript, MUI, CSS, APIs, AWS, JEST, Vite and Git.

Education

Concordia University   **September 2021 – May 2025**
Bachelor of Engineering – Software Engineering   *Montreal, Quebec*
- **GPA**: 4.1
- Awards: Dean's List 2021-2023 & International Entrance Scholarship
- Relevant Courses: Object Oriented Programming I & II, Data Structures & Algorithms, Operating Systems, Database Management, Advanced Program Design with C++

Projects

ConUHacksVIII Website (HackConcordia)   **August 2023 - Present**
- Collaborated with a team of four as a key member of the Technology team at HackConcordia to build dynamic website for the university's next hackathon, which is Quebec's biggest hackathon, creating a robust platform.
- Volunteered dedicated time and skills to help HackConcordia community in organizing and promoting the university's hackathon event.
- **Technologies Used**: React, Next.JS, Tailwind, Git, Docker, DigitalOcean, Node.js, Express, and MongoDB

Maven AI SaaS Web Application (Personal)   **July - August 2023**
- A full stack web application with authentication, Conversation, Image, Code, Video and Music Generation using OpenAI (ChatGBT's creator) and Replicate AI APIs as well as a chat bot
- Users have 10 free generations to use the services, then they have to upgrade to Premium for unlimited usage
- **Technologies Used**: React, Next.JS, TypeScript, NodeJS, Prisma, Stripe, Git, Clerk and Crisp

Procurement System Website (Academic)   **September - December 2022**
- Team leader of a group composed of 7 members where we put Scrum Agile methodology into practice.
- The system allows end users to request the purchase of items which will result in automatically requesting quotations from suppliers of these items.
- **Technologies Used**: HTML, CSS, JavaScript and Bootstrap for the front-end, SQL and PHP for the backend

Leadership / Extracurricular

Director of Technology at HackConcordia   **April 2023 – Present**
Concordia University

Vice President of Technology at SCS   **April – September 2023**
Concordia University

Vice President of Careers at SCS   **September 2022 – April 2023**
Concordia University