

AHMAD ELMAHALLAWY

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Skills

Languages: Java, Python, C++, JavaScript, TypeScript, HTML, CSS, PHP, C, C#, SQL, noSQL
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 (ChatGPT'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

HackConcordia

April 2023 – Present

Director of Technology

Concordia University

- In charge of HackConcordia's official website and building ConUHacks website for the upcoming Hackathon to allow users to register and create a team.

SCS

September 2022 – September 2023

Vice President of Careers & Technology

Concordia University

- In charge of helping students with their CVs and technical skills as well as building the society's website.