Abdalla Eldoumani

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EDUCATION

University Of Calgary   **Calgary, Alberta**
Bachelors of Science in Computer Science   2022 – 2026

WORK EXPERIENCE

Headstarter AI   **Calgary, Alberta**
Software Engineering Fellow   July 2024 – September 2024
- Spearheaded the development and deployment of 5 AI projects using Python and Docker, significantly enhancing machine learning proficiency and operational deployment skills.
- Participated in multiple hackathons, delivering innovative solutions to real-world challenges through effective teamwork and agile problem-solving over 5 intensive weekends.
- Successfully completed a high-impact final project, attracting over 1,000 users by leveraging React.js, Angular, HTML, CSS, and TypeScript to ensure robust development and scalable performance.

PROJECTS

Budget Buddy| Next.js, TailwindCSS, TypeScript, Clerk, Vercel | *Team Member* February 2024 URL: **Check it out**

- Collaborated with a team to develop **Budget Buddy**, a financial tool designed to demystify the stock market and empower young Canadians with accessible investment information.
- Implemented modern web development technologies, including Next.js and TailwindCSS, to create a responsive and user-friendly interface for tracking budgets and investment opportunities.
- Integrated real-time stock data and projection tools, enabling users to make informed decisions about their financial futures.
- Facilitated secure user authentication using Clerk, ensuring a seamless and safe experience for all users.
- Overcame technical challenges, such as integrating the budget calculator, by leveraging teamwork and innovative problem-solving.
- Enhanced team skills in web development, project management, and version control, contributing to a robust and scalable platform.

Interactive Cybersecurity Site | **HTML, CSS, JavaScript |** *Team Member/Lead* September 2023 – December 2023 URL: **Check it out**

- Collaborated in the development of an educational platform aimed at broadening cybersecurity knowledge through a combination of theoretical lectures and practical quizzes.
- Designed and implemented interactive quizzes on topics such as cryptography, hashing, malware, and privacy, enhancing users' understanding of key cybersecurity principles.
- Created comprehensive educational content, including lectures on encryption methods, malware types, and digital privacy, to provide a well-rounded learning experience.
- Developed a user-friendly interface using HTML, CSS, and JavaScript, ensuring a responsive and engaging platform that caters to a diverse audience.
- Addressed the challenge of making complex cybersecurity topics accessible through an interactive, hands-on learning approach, reinforcing theoretical knowledge with practical applications.

AI-Platform | **TypeScript, Next.js, Prisma, Stripe, OpenAI API |** *Team Member* June 2023 - August 2023 URL: **Check it out**

- Developed an AI-Platform offering a variety of AI tools including conversation, image generation, video generation, music generation, and code generation, all accessible from a centralized dashboard.
- Created a dynamic Dashboard Page that provides users with an intuitive interface to explore and access various AI tools, with each tool presented in a card format with icons and links to their respective pages.
- Built a responsive Navbar Component with mobile sidebar navigation, user authentication, and checks for API limits and subscription status.
- Developed API routes utilizing the OpenAI API to handle user requests for code generation and conversations, with robust checks for authentication, API configuration, and user subscription status.

Self-Checkout Station Software Simulation | Java, JUnit, Git Calgary, Alberta | *Team Member* September 2023 – December 2023

- Worked collaboratively with a 20-member team to develop and execute a software simulation for a self-checkout station using Java.
- Utilized object-oriented programming principles and Java's GUI libraries to create a responsive touchscreen interface.
- Streamlined the development process by implementing effective version control and collaboration strategies with Git, resulting in a 30% increase in productivity.
- Conducted thorough testing using JUnit, ensuring the simulation software operated flawlessly with 100% usability.

SKILLS

- **Technical: Java (Spring Boot), JavaScript/Typescript, Python(Pandas, MATLAB, Flask, Django), Jupyter Notebook, MS Office Suite (Word, Excel, Powerpoint), R, RStudio, Power BI, SQL, C/C++, Assembly, SQL, NoSQL, MongoDB, Supabase, PostgreSQL, HTML/CSS, React.js, Node.js, Express.js, VS Code, IntelliJ, Eclipse, AWS, API, Firebase, Git, Data Structures, Algorithms, Debugging, Troubleshooting and CS Fundamentals.**
- **Interpersonal Skills: Self-driven, Critical thinking, Entrepreneurial, Independent, Punctual, Adaptable, Capable of making decisions under pressure, Dependable, Leadership skills, Superb communication skills written, verbal, and spoken.**