Abdalla Eldoumani

aamsdoumani@gmail.com| + 1 (403) 708-6931 | LinkedIn: AbdallaEldoumani | GitHub: AbdallaEldoumani | Website: Portfolio

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
- Led development and deployment of 5 AI projects using Python and Docker, revamping machine learning proficiency and honing operational deployment capabilities.
- Delivered innovative solutions during multiple hackathons, addressing real-world challenges through effective teamwork and agile problem-solving across 5 intensive weekends.
- Completed a high-impact final project reaching over 1,000 users by utilizing React.js, Angular, HTML, CSS, and TypeScript, ensuring a robust and scalable platform.

Al Oruba International School   **Riyadh, Saudi Arabia**
Python Mentor   July 2021 – July 2022
- Led a peer mentoring program, guiding high school colleagues in mastering Python programming.
- Devised and conducted weekly workshops, covering Python fundamentals, data structures, and basic algorithms, resulting in overhauled programming proficiency among participants.
- Facilitated hands-on coding sessions, enabling peers to apply theoretical concepts to practical problems.
- Mentored peers on project-based learning, assisting in developing Python projects, boosting confidence and coding skills.
- Encouraged collaboration and peer learning, fostering an environment where students supported each other in overcoming coding challenges.

PROJECTS

Budget Buddy| Next.js, TailwindCSS, TypeScript, Clerk, Vercel | *Team Member* February 2024 URL: **Check it out**
- Collaborated with a team to construct Budget Buddy, a tool empowering young Canadians with accessible investment information.
- Deployed modern web technologies such as Next.js and TailwindCSS to generate a responsive interface for managing budgets and investment options.
- Integrated real-time stock data and projection tools, increasing users' ability to create informed financial decisions.
- Secured user authentication using Clerk, providing a smooth and safe user experience.
- Addressed technical obstacles during integration of budget calculator, enhancing platform functionality through effective teamwork.
- Boosted platform scalability by refining development processes and revamping project management practices.

Interactive Cybersecurity Site | **HTML, CSS, JavaScript |** *Team Member/Lead* September 2023 – December 2023 URL: **Check it out**
- Contributed to developing an educational platform, broadening cybersecurity knowledge through theoretical lectures and interactive quizzes.
- Formulated quizzes covering cryptography, hashing, malware, and privacy, deepening users' understanding of critical cybersecurity principles.
- Authored educational content on encryption methods, malware, and digital privacy, offering a comprehensive learning experience.
- Established a user-friendly interface with HTML, CSS, and JavaScript, ensuring platform remains responsive and engaging.
- Created complex cybersecurity topics accessible through a hands-on, interactive 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 range of AI tools, including conversation, image, video, music, and code generation, all accessible from a centralized dashboard.
- Sketched an intuitive Dashboard Page, enabling users to easily explore and access various AI tools presented in a card format.
- Built a responsive Navbar Component with mobile sidebar navigation, incorporating user authentication and monitoring API limits and subscription status.
- Implemented API routes using the OpenAI API for code generation and conversation features, 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
- Cooperated within a 20-member team to execute a software simulation for a self-checkout station using Java.
- Employed object-oriented programming and Java's GUI libraries to develop a responsive touchscreen interface.
- Amplified development productivity by 30% through maximized version control and collaboration strategies using Git.
- Conducted comprehensive testing with JUnit, ensuring flawless operation and achieving 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 building decisions under pressure, Dependable, Leadership skills, Superb communication skills written, verbal, and spoken.