



Skills

Full-stack developer with *4 years of experience* building user-facing products and contributing to open source. Looking for an internship where I can learn from real engineers and work on impactful projects.

- Comfortable with the software development life cycle. I create and maintain projects throughout multiple phases from design to development to deployment and maintenance.
- Extensive experience with user-facing and server-side technologies to create full-fledged applications. Here are some of them, listed in descending order by level of experience:
 - **Node.js, Express.js, SASS, Nginx, jQuery, React.js, React Native, and MongoDB**
- The languages I regularly use, listed in descending order by level of experience, are:
 - **JavaScript, Python, Java, Swift, Bash & Zsh, C, and Assembly (ARMv8)**
- Substantial networking experience with REST APIs (Postman), NoSQL databases, and Firebase.
- Adept at working in UNIX environments (macOS/Linux) and using Git as version control.
- Beginner at designing and building native iOS applications using Swift and Sketch.
- Full working proficiency in English, limited working proficiency in French.

Projects Highlight

- **socketChat** – Built an encrypted chat application using Node.js and Socket.io. Learnt how to establish instantaneous bilateral communication between a central server and its clients.
 - *Role:* Full-stack developer, UI/UX designer
 - Lead to in-depth understanding of the product development cycle and great improvement in my design and full-stack web development skills.
- **Face Recognition** – Developed a Python 3 program which learns and recognizes your face using the webcam.
 - *Role:* Developer
 - Result of my extensive research in computer vision, built for my final year high school project
- **khanabdullah.com** – Created an Express.js application running on a self-managed Ubuntu server; uses Nginx and Let's Encrypt. Uses Postfix for a custom mail system solution.
 - *Role:* Full-stack developer, UI/UX designer, System Administrator
 - Portfolio site built from scratch following industry best-practices in design and performance.
- **CollabCanvas** – Designed and developed an online canvas which multiple users can draw on together and communicate creatively with each other in real-time.
 - *Role:* Full-stack developer, UI/UX designer

Education

University of Calgary, Computer Science

Spring 2022

- Relevant courses: Algorithm Analysis, Data Structures, Discrete Math, Linear Algebra, Computer Machinery, Statistics, Formal Logic

Sir Winston Churchill High School, AP Computer Science

June 2018

- Achieved Canadian Computing Competition Distinction – placed top 25% in Canada
- Awarded Alexander Rutherford Scholarship