

Abdullah Qureshi

416-697-2069 | abdullahqureshi3102@gmail.com | [linkedin.com/in/abdullahq823/](https://www.linkedin.com/in/abdullahq823/) | github.com/abdullahq3102

EXPERIENCE

- Faire** Sep 2023 – Aug 2024
Productivity Engineer Intern – Kotlin, React, TypeScript, Groovy Toronto, ON
- Implemented LLVM code coverage on mobile repositories, increasing overall code coverage by 43% and streamlining developer integration processes.
 - Created a dashboard to view code coverage statistics for each repo and file using React.
 - Transitioned end-to-end testing system from Cypress to Playwright, decreasing test execution time by 49% and reducing test unpredictability by 77%.
 - Managed the migration of continuous integration system from Jenkins to Buildkite, optimizing CI/CD pipelines, reducing build times by 32%, and decreasing downtime by 25%.
- UofTHacks** May 2023 – Present
Organizer & Web Development Team - MariaDb, Node, Express Toronto, ON
- Built a QR code check-in system for hackers to scan to attend various events during the event
 - Built a database to host info for 1000+ hackes using MariaDB.
 - Created API endpoints to connect React page to database using Express + Node.
- Zeno Labz** May 2023 – Aug 2023
Mobile Application Developer and Designer – React, Java, Figma, Swift Toronto, ON
- Developed and designed mobile applications for iOS and Android platforms by utilizing Figma, React, and Java.
 - Employed Java, Swift, Objective-C, and iOS SDK to write maintainable, and comprehensively documented code.
 - Connected mobile devices to hardware using CoreBluetooth framework and Android Bluetooth API, enabling seamless remote control and ineration
- University of Toronto Aerospace Team** Jan 2022 - Apr 2022
Unmanned Aerial Systems Team - Python, OpenCV Toronto, ON
- Automated the navigation of a drone for competition using Python and OpenCV.

EDUCATION

- University of Toronto** Sep. 2020 – Apr 2025
Bachelor of Applied Science in Computer Engineering, Minor in Engineering Business Toronto, ON
- TryHackMe** May 2024 - Aug 2024
Offensive Computer Security Principles - Jr. Pentester Certificate Remote

PROJECTS

- Sever Security Policies** | C++, Python Jan 2023 - Apr 2023
- Developed a DNS server that would store, alter, and replay DNS queries to implement a cache poisoning attack.
 - Wrote an authentication program using Google Authenticator to generate a QR code for two-factor authentication and validation.
 - Developed content security policies for web pages to protect against cross-site scripting and SQL injection attacks.
- AI Generated Text Classifier** | AI, Pytorch, Numpy, Neural Networks May 2024 – August 2024
- Developed a PyTorch convolutional neural network able to classify text with 89% accuracy.
- EasyDrive City Navigation** | C++, LibCurl, GTK, Data Structures & Algorithms May 2018 – May 2020
- Led a team of 3 students developing a navigation program with live traffic information using C++, GTK, & Curl
 - Stored data called from OpenStreetMap API to reduce map load times to less than .1 seconds.
 - Created a route traveling algorithm to tackle the traveling salesman problem and plan parcel deliveries which ranked top 15 in class ranking.

TECHNICAL SKILLS

Programming: Java, C/C++, Python, SQL, TypeScript, HTML/CSS, Kotlin, R, Verilog, ARM Assembly, JavaScript
Developer Tools: Git, Github, Docker, Colima, VS Code, Visual Studio, IntelliJ, UNIX CLI, Microsoft Excel, Doxygen, Debbuger, GDB, Amazon Web Services (Cloud Development Kit (CDK)), Jenkins, Buildkite, Burp Suite, MetaSploit
Libraries/Frameworks: React, MariaDb, Node, ExpressJS, Pandas, NumPy, Matplotlib, OpenCV, Junit, Pytorch, GTK