

AALIYAH JALEEL

Computer Science Specialist in Software Engineering, Creative Writing Major

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EXPERIENCE

Technical Specialist

Apple

Apr 2022 – Oct 2022

- Conducted **diagnostic testing** to troubleshoot functional and internal software issues, delivering **optimized** and **cost-effective solutions**
- Hosted over **220 technical appointments**, achieving a **100% Promoter Score** through detail-oriented customer service

Software Engineer/UX Designer Intern

West Oak Design Inc.

May 2021 – Aug 2021

- Developed a **React Native website** for companies to purchase STEM education materials, coding with **HTML, CSS, Python, and Node.js**
- Improved **frontend performance metrics** to optimize site traffic, reducing **page load time by 40%** and implementing **browser caching**

PROJECTS

Eventual - Student Networking Website

next.js, sql, prisma, cockroachdb

May 2023 – Aug 2023

- Engineered a website with **NextAuth Library** to automate intelligent sessions, producing **40% reduction** in user sign-in complexities
- Integrated **Stripe payment processing** and **Ably realtime messaging**, enabling **30% faster transactions** and real-time communication
- Deployed through **Vercel** via **CockroachDB** and used the **MERN Stack** with a **REST API** for client-server communication, leading to a **25% increase** in overall system responsiveness

Acourse - Course Planning App

java, kotlin, maven, firebase, gradle

Sept 2022 – Dec 2022

- Formulated a mobile app utilizing **Java** and **Kotlin** in **Android Studio**, backed by **FireBase** for smooth user authentication and data storage
- Ensured **robust functionality** through **JUnit** and **Mockito** tests, achieving **95% test coverage**

Flora - MIPS Assembly Platformer Game

assembly, python script, mars

Jan 2023 – Apr 2023

- Created immersive **platformer game** using **MIPS Assembly** on **Mars Bitmap Display**, integrating **keyboard controls** for 2D GUI gameplay
- Employed **Python scripting** to engineer an **aesthetic user interface**, resulting in **50% enhancement** in data visualization clarity

SysProg - Systems Monitoring and FD Tables Tool

c, bash script, shell, makefile

Jan 2023 – April 2023

- Crafted **modular C program** to monitor **OS processes**, displaying **memory/CPU usage** and graphical **File Descriptor Table** insights
- Optimized efficiency by **75%** and eradicated **compilation issues** through **automated build processes** using **shell scripting**

FuelUp - Gas Price Matching App

figma, balsamiq, CHI format

May 2023 – Aug 2023

- Applied **user-centered principles** to design app, displaying a **98% alignment** between user needs and the final user **interface**
- Organized and presented a **project proposal, user requirements report, and prototype**, attaining **92% usability** in evaluation

EDUCATION

B.Sc in **Computer Science Co-op**,
Software Engineering Specialist,
Double Major in Creative Writing

University of Toronto Sept 2021 - Apr 2025

SKILLS

Languages: Java, C/C++, Python, HTML, CSS, Javascript, Typescript, Bash, Assembly

Tools: Docker, Git, SVN, Linux, Android Studio, VS, Eclipse, Jira, FireBase, Figma

Frameworks: REST API, GUI, React, Node.js, Express.js, JUnit, Mockito

Principles: Agile, Scrum, SDLC, OOP, SOLID, Algorithms & Data Structures

LEADERSHIP

Scarborough Campus Student Union

Director of Computer and Mathematical Sciences (CMS)

- Designed a comprehensive webpage tailored to first-year CMS students, showcasing strategies for success
- Initiated a student-led discussion forum for 350 incoming CMS students to begin networking

EcoSpark Sparking Science Conference

Speaker, Mentor, Grant Writer

- Invited twice by U of T as a guest speaker, mentoring 110 ninth-grade girls to explore interests in STEM fields
- Successfully authored a grant proposal to secure backing from the National Science and Engineering Research Council

Serendib Youth Canada

Secretary, Community Director, Volunteer

- Orchestrated first-ever community car wash, raising \$1,300 for the homeless

ACHIEVEMENTS

- Awarded \$13,000 academic scholarship from University of Toronto
- Selected for Dean's Honours List (2022)
- Granted \$8,500 in scholarships for excellence in volunteerism
- Received Distinction of Youth Leadership, issued by Mayor of Pickering