Simon Lotzkar

778-877-4550 | simon@lotzkar.com | linkedin.com/in/simonlotzkar | github.com/simonlotzkar

EDUCATION

British Columbia Institute of Technology — Burnaby, BC
Computer Systems Technology (CST) Diploma — *Sept 2023 – May 2025*

- Data Structures and Algorithms, Computer Architecture, Networking, Operating Systems, Discrete Mathematics.
- Object Oriented and Procedural Programming, Full-Stack and Android Development, Database Design

PROJECTS

Web App: MediKate | *github.com/Danton1/2800-202410-BBY34* — Spring 2024

- Group project that uses ChatGPT's AI to simulate a medical chatbot.
- Can help with minor ailments and booking doctor appointments to reduce the stress on the healthcare system.
- Technologies: JavaScript, EJS, Tailwind, Node.js, MongoDB, OpenAI, Nodemailer, OpenWeather

Web App: Organica | *devpost.com/software/qds* — Spring 2024

- BCIT's QDS Hackathon (2024) top 8 finalist of 31 teams.
- Allows bulk buying from farms for cheaper and healthier foods.
- Technologies: MEAN Stack (MongoDB, Express, Angular, Node.js).

Web App: McWorking | *comp1800-teambby17.web.app* — Fall 2023

- Group project that allows users to share the status of any McDonald's ice cream machine.
- Technologies: Google Cloud (Firebase, Firestore), JavaScript, HTML, CSS, Bootstrap.

Desktop App: AutoBlocks | *github.com/simonlotzkar/autoblocks* — Fall 2022

- Solo class project that automates repetitive dice rolls and NPC tracking for D&D.
- Technologies: UML Diagrams, Java, and JSON.

TECHNICAL SKILLS

Databases: Firestore, MongoDB, MySQL, SQLite
Languages: TypeScript, JavaScript, Java, Kotlin, C#, C++, C, SQL, R, HTML/CSS
Frameworks: React, Next.js, Node.js, .NET, Express, Tailwind, Bootstrap, JUnit, JFS, EJS
Tools: Linux, Git, Docker, Firebase, Azure, Postman, VSCode, Android Studio, IntelliJ, CLion, Eclipse, RStudio

EXPERIENCE

Systems Analyst — June 2024 – Present
British Columbia Institute of Technology — *Burnaby, BC*

- Deploy, migrate, image, and decommission computers for faculty and staff.
- Troubleshoot and solve computer problems for instructors and students during class.
- Document and complete tickets using Service Now and Cherwell IT Service Management.
- Perform maintenance on hardware such as printers, PCs, and peripherals.
- Present comprehensive technical orientations to new students.

Private Contractor — Summer 2023
Kingston Geosciences — *Yukon and BC*

- Developed a communications and solar power system for a remote geoscience field camp.
- Maintained, adjusted, and troubleshooted the system during operation.

VOLUNTEERING

Student Representative "Set Rep" — Sept 2024 – Present
BCIT Student Association (BCITSA) — *Burnaby, BC*

- Elected student leadership position: advocate for classmates at student association meetings.
- Liaison between classmates and instructors: received complaints and negotiated solutions.
- Required strong communication skills, conflict resolution, and organization.