

# Lucas Mah

+1 604-657-2307 | [lucasmah@outlook.com](mailto:lucasmah@outlook.com) | [linkedin.com/in/lucasmah](https://www.linkedin.com/in/lucasmah) | [github.com/lucastmah](https://github.com/lucastmah)

## EDUCATION

### Simon Fraser University

*Bachelor of Science in Computer Science*

Vancouver, BC

Sep. 2020 – Dec. 2025

## EXPERIENCE

### Software Development Engineer

*Amazon*

May 2025 – Aug. 2025

*Vancouver, BC*

- Automated an ad-hoc report for permission services using AWS lambda, S3, CloudWatch, and QuickSight to provide up-to-date and complete data every day, free up engineer time, reduce churn, and minimize errors.
- Identified 33% features onboarded to permission service as inactive, leading to tickets automatically being cut to decommission inactive features, reducing latency and size of the Amazon app permission service dashboard.

### Software Developer Intern

*TELUS*

Sep. 2024 – Dec. 2024

*Vancouver, BC*

- Launched a personal identifier (PI) scanner runtime by 98%, leading to its full-scale development using Python, Tkinter, and SpaCy for NLP to identify TELUS devices with files containing sensitive data.
- Transformed a business PowerPoint slide deck into a Looker Studio Dashboard with minimal impact to teams providing the data, leading to 2 days of effort saved per month.

### Security Specialist Intern

*TELUS*

Jan. 2024 – Aug. 2024

*Vancouver, BC*

- Developed email automation for the risk management process with Apps Script, saving 8 hours per month.
- Led development of dashboard and web app to display TELUS-wide mandatory training completion data using Google Sheets, Apps Script, Looker Studio, HTML, CSS, and JavaScript to help achieve 100% completion target.

### Database Developer Intern

*Canada Revenue Agency*

Feb. 2022 – Aug. 2022

*Surrey, BC*

- Proposed the revision of the existing database structure to follow industry standards, reducing bugs and lowering development time by 34%.
- Designed and deployed a new database using MS Access and VBA by communicating with relevant stakeholders, leading to a 30% productivity increase by the Business Intelligence team and audit team.

## PROJECTS

### Big Fish Eat Small Fish, Big Fish Get Bigger | *Godot, GD Script, Git*

Aug. 2024

- Designed a 2D fish web game where the player eats fish to gain points and avoid certain objects to survive.

### Snowfort 2024 | *Bash, Linux, Docker, Go, JavaScript, PHP*

Mar. 2024

- Identified and patched software vulnerabilities of a web service through SSH to a Linux VM.

### Past Your Peak | *Unity, C#, Git*

Jul. 2023

- Created a reverse rogue-like 2D slider game, incorporating all challenge themes to earn the creativity prize.
- Implemented player movement, collision detection, and AI attack patterns with C#, allowing the player to attack and be attacked by enemies.

## VOLUNTEERING

### Computer Science Peer Tutoring | *SFU*

Sep. 2021 – Dec. 2021

- Mentored first and second year students in math and computer science courses.

## TECHNICAL SKILLS

**Languages:** Kotlin, TypeScript, JavaScript, Apps Script, Python, C, C++, C#, SQL, VBA, Java, PHP, HTML/CSS

**Frameworks:** Node.js, React, Next.js, Express

**Developer Tools:** AWS (Lambda, S3, CloudWatch, QuickSight), Git, Bash, PowerShell, Docker, GCP, Office 365

**Databases:** Postgres, MySQL, MongoDB, MS SQL Server