CHARLIE **KIM**

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Education

University of Alberta - *Computer Science Specialization*   *Sept 2021 - April 2024*
Web/mobile development, DevOps, machine learning, operating systems, networks, management science
GPA: 3.7
University of Helsinki - *Full Stack Open certification*   *Jun 2024 - ongoing*

Technical Skills

Languages: Java, Python, C/C++, Javascript, HTML/CSS, SQL, ASM, R, Matlab
Technologies: Git/Github, Docker, React, Next.JS, Django, NodeJS, Unix, Android, Gradle, MongoDB, Excel

Professional Experience

ABC Head Start Society - *Full Stack Developer*   *Jan 2024 - June 2024*
- Develop web interface for multilingual audiobooks for thousands of teachers and students
- Create automated testing framework, CI/CD pipeline, and comprehensive documentation
- Use Next.JS, Tailwind, Django, MySQL, Docker, and cloud-based hosting solution

University of Alberta - *Software Engineering T.A.*   *Sept 2023 - April 2024*
- Grade and advise nearly 400 students in a software engineering and Android development course
- Fulfill the role of product manager for multiple teams during a 4-month long Android project
- Implement Agile practices such as weekly standup meetings to ensure steady progress and adherence to project requirements

Save-On-Foods, Freson Bros - *Dairy Manager*   *Aug 2020 - Jul 2021*
- Write and receive orders to keep dairy section stocked and cycle out expiring product
- Used Excel and Python to improve order picking, by analyzing sales data from a SQL database
- Efficiently direct and assist grocery clerks with their tasks

Projects

Catch Me If You Scan - *Java, Firebase, Android Studio*
https://github.com/CMPUT301W23T07/catch-me-if-you-scan
Android game where players scan and collect digital "monsters" generated from QR codes.

Multilingual Readers Interface - *NextJS, Django, MySQL, Docker*
https://cmput401.ca/projects/462e870e-c1f4-4f36-907e-749422e6846d
Web interface allowing teachers to browse and download multilingual audiobooks.

Live Chat Application - *Golang, Echo, HTMX, AlpineJS*
https://github.com/charliekim2/chatapp
Chat app where users can create group discussions, leveraging Golangs powerful concurrency.