Adin Kwok

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EDUCATION

University of British Columbia • BCom, Computer Science and Business • Vancouver, BC, CAN • May 2022 Grad
Key CS (CPSC) Courses: *455*: Applied Industry Development, *416*: Distributed Systems, *320*: Algorithms and Data Structures
Key Business (COMM) Courses: *436*: IS/IT Analysis and Design, *438*: IS/IT Management, *491*: Strategic Management

SKILLS

Programming Languages: Java, JavaScript, TypeScript, Python, Hack/PHP, Dart
Tools and Frameworks: Spring, NodeJS (Express), React (HTML/CSS), Linux, Git, AWS, Android SDK, Flutter SDK

EXPERIENCE

Facebook **Remote (Seattle, WA, USA)**
Software Engineer Intern *May 2021 – Aug 2021*

- **Completed coding of Hack/PHP project 50% ahead of schedule**, prior to the midpoint performance review. Achieved milestones by independently investigating systems and wikis. Maintained a swift pace **without working overtime**.
- Implemented improvements **outside of scope** to better evaluate privacy and spam checks for voice/video calls on all Facebook platforms (Messenger, Instagram, etc.). **Included stretch goals for fun** and authored related wiki pages.
- **Led A/B experimentation and rollout** of the framework, maintaining open communication with lead PHP engineers.
- **Designed and implemented a second project** for the latter half of the internship. Researched and scoped the work in collaboration with senior engineers. Communicated development and deployment updates to the broader team.

Amazon Web Services (AWS) **Remote (Vancouver, BC, CAN)**
Software Development Engineer Intern *Sep 2020 – Dec 2020*

- Created and presented first high- and low-level designs **in 50% of the scoped time**. Led architectural reviews for multiple projects: decomposition of a monolith API, deprecation of a legacy database, and two new customer APIs.
- **Delivered all the designed projects** managing customer payment information using Amazon's RPC Java framework.
- **Optimized the runtime of a database migration script by 1500% (5 hours to 2 minutes)** using a combination of asynchronous, algorithmic, and NoSQL query improvements. Ran experiments against the original logic to ensure 100% data consistency. **Developed and deployed the updated service as a side project**.
- **Went beyond intern responsibilities** by assisting on-call engineers with customer impacting issues unrelated to my project. Investigated and produced code fixes while communicating updates to stakeholders.

Intersect (Acquired by CoreLogic) **Toronto, ON, CAN**
Data Engineer Intern *Jan 2020 – Apr 2020*

- **Optimized a percentage scoring algorithm to reduce runtime by ~10% (80 ms to 70 ms)** with algorithmic and data structural changes in Python. Ran benchmarking experiments using Jupyter Notebooks on various machines.

Product Manager Intern - Strategy *May 2019 – Aug 2019*

- Curated, pitched, and executed digital product strategies for **$5-10MM software projects** across multiple industries.

Software Engineer Intern - Android *Jan 2019 – May 2019*

- **Pushed 500+ Java/Kotlin commits** as the company's **first ever SWE intern with no previous internship experience**.

PROJECTS

CarbonROM: Custom built version of the Android operating system for smart devices. ***1,000,000+ downloads***

I Choose NW: Augmented reality voice-controlled Pokémon battles. ***Best Creative Use of Autocode @ nwHacks 2019***

vrEMDR: Replicated $1000+ therapy machine with Google Cardboard virtual reality. ***2nd Place @ Lumohacks 2018***