

FONDSON TRAN

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EDUCATION

University of Waterloo

September 2016 - April 2020 (Expected)

Candidate for Bachelor of Computer Science

90% average

SKILLS

Programming Languages

Python, C++, Javascript, Java, PHP, C#, Ruby

Technologies | Frameworks | Tools

AWS, Git, jQuery, React, NodeJS, ExpressJS, Django, Flask, Native Android, Visual Studio

EXPERIENCE

Amazon

September - December 2019

Software Development Engineer Intern

Toronto, ON

- Architected and implemented a new search tool using **Java** and **AWS**, reducing operating costs by 86% (\$300k annually)
- Scaled highly available **Elasticsearch** clusters across multiple regions to index terabytes of data
- Managed system infrastructure as code using templating frameworks such as AWS CloudFormation, greatly improving infrastructure maintainability and extendability

Facebook

January - April 2019

Software Engineering Intern

Menlo Park, CA

- Built a service to automate SQL database query migration using **Python** and managed its deployment pipeline
- Developed a system to monitor and validate database field usages and track user tasks
- Implemented functionality to reject requests containing unsupported database field accesses

Microsoft - The Coalition Studio

September - December 2018

Software Engineering Intern

Vancouver, BC

- Implemented additional **Unreal editor** features to improve workflow productivity using **C++**
- Created digital signal filters to smooth animation curves in Autodesk Maya using Python
- Developed multithreaded programs to improve studio playtests and scheduled file syncs using **C#**

PagerDuty

January - April 2018

Software Engineering Intern

San Francisco, CA

- Architected internal services and developer features using **Elixir** and **Kafka**
- Built an internal **REST API** and a consuming Slack bot using **Ruby on Rails** and **NodeJS**

PROJECTS

Related Anime

github.com/Fondson/relatedanime

- Created a website to display media related to any anime series and recommend similar content using **ExpressJS**, **React**, **Redis** and a **Neo4j graph database**
- Set up cron jobs to automatically retrieve new anime data through web scraping

Note Locker

github.com/Fondson/Note-Locker

- Published a **Native Android** lock screen app to conveniently take notes and create reminders
- Integrated Firebase's real-time **NoSQL cloud database** to authenticate users and organize notes