

# FONDSON TRAN

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## EDUCATION

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University of Waterloo 2016 - 2020  
Bachelor of Computer Science 90% average

## SKILLS

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### Programming Languages

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

### Technologies | Frameworks | Tools

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

## EXPERIENCE

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### Lazer Technologies

Software Engineering Consultant

Fully remote

January 2021 - Present

- Managing and building full stack web projects end-to-end from scratch and in existing codebases

### Amazon

Software Development Engineer

Toronto, ON

July - December 2020

Software Development Engineer Intern

September - December 2019

- Architected and implemented a new search tool using **Java** and **AWS**, reducing operating costs by 86% (saving over \$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

Software Engineering Intern

Menlo Park, CA

January - April 2019

- 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

Software Engineering Intern

Vancouver, BC

September - December 2018

- 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#**

## PROJECTS

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### Related Anime

[github.com/Fondson/relatedanime](https://github.com/Fondson/relatedanime)

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

### Note Locker

[github.com/Fondson/Note-Locker](https://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