

# FONDSON TRAN

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## EDUCATION

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University of Waterloo

September 2016 - April 2020 (Expected)

Candidate for Bachelor of Computer Science

91% average

## SKILLS

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Programming Languages

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

Technologies | Frameworks | Tools

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

## EXPERIENCE

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Facebook

January - April 2019

Software Engineering Intern

Menlo Park, CA

- Built a service to automate database query migration using **Python** and managed its deployment pipeline
- Developed a system to monitor database field usage and track user tasks
- Implemented whitelist functionality in a service to reject unauthorized database field access

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 from scratch using **Elixir** and **Kafka**
- Built an internal **REST API** and a consuming Slack bot using **Ruby on Rails** and **NodeJS**

Achievers

May - August 2017

Software Development Intern

Toronto, ON

- Integrated the Giphy API within an image file manager allowing users to search and attach GIFs on their posts using **PHP** and **React-Redux**
- Created REST API endpoints to serve customized user metrics using PHP and **Swagger**

## 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**, **Redis** and a **Neo4j graph database**
- Implemented an ExpressJS API server used by the client-side to securely query and scrape for information

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 reminders
- Integrated Firebase's real-time **NoSQL cloud database** to authenticate users and organize notes
- Designed to dynamically update colour schemes based on chosen wallpaper image