

Fondson Tran

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Education

University of Waterloo — Ontario, Canada
Candidate for **Bachelors of Computer Science**

3rd year
May 2020 (Expected)

Work Experience

Achievers | *Software Development Intern*

May – August 2017

- Created crons to automatically send customized emails based on conditions retrieved from databases using **PHP** and **MySQL**, affecting all users within the Achievers Aspire program
- Integrated Giphy API within an image file manager using PHP and **React-Redux** allowing users to search and attach GIFs on their posts
- Designed and implemented private **RESTful** API endpoints using PHP and **Swagger**

Statistics Canada | *Systems Development Programmer*

May – August 2016

- Redesigned and developed a **C#** Windows reporting application using MVVM architecture from scratch
- Contributed to developing and managing back end **SQL Server** databases and database objects, such as designing schemas, creating stored procedures, and aggregating data into views
- Imported 10,000+ structured XML data entries into SQL Server database tables using SQL Server scripts

Projects

Related Anime

github.com/Fondson/related-anime

- Created a website to visualize media related to an anime series and recommend similar content using **NodeJS**, **ExpressJS**, and **React**
- Implemented an Express API server used by the client-side to securely query and scrap for information
- Updated clients on web scraping progress per API request using **HTML5 server-sent events**

Note Locker

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 store/organize notes
- Designed to dynamically update colour schemes based on chosen wallpaper image

Connect Four

github.com/Fondson/Connect-4

- Built a **C#** implementation of Connect Four with functional local two-player and computer AI mode
- Implemented the computer AI using the **minimax algorithm** (with alpha-beta pruning)

For more projects in **C**, **Java**, and **Python**, visit github.com/Fondson

Skills

Programming Languages

JavaScript / HTML / CSS, SQL, C / C++, PHP, Java, C#, Python

Technologies / Frameworks / Tools

Linux, Git, NodeJS, ExpressJS, React, Redux, jQuery, Native Android, Vagrant, Flask