Fondson Tran

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Education

University of Waterloo — Ontario, Canada 3rd year
Candidate for Bachelors of Computer Science   Expected graduation date — May 2020

Work Experience

Achievers *Software Development Intern*   May 2017 – August 2017

- Created crons to automatically send customized emails based on conditions retrieved from a database using **PHP** and **MySQL**, affecting all users within the Achievers Aspire program
- Integrated the Giphy API within an existing image file manager using **PHP** and **JavaScript** so users can attach GIFs from Giphy on their posts

Statistics Canada *Systems Development Programmer*   May 2016 – August 2016

- Redesigned and developed a **C#** Windows reporting application using MVVM architecture, undergoing regular code reviews and business layer analysis
- Contributed to developing and managing back end **SQL Server** databases and database objects
- Imported thousands of XML data entries into **SQL Server** database tables using **SQL Server** scripts
- Wrote Microsoft Excel **VBA** macros to import and organize data from database sources

Projects

Related Anime   *github.com/Fondson/related-anime*

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

Note Locker   *github.com/Fondson/Note-Locker*

- Published a **Native Android** lock screen app used 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 mode and computer AI mode
- Implemented the computer AI using the **minimax algorithm** (with alpha-beta pruning, an heuristic function and a useful utility)

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, jQuery, Native Android, Vagrant, Flask, Visual Studio