Tom Fouxman

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EDUCATION

Faculty of Engineering, Western University, London, ON, Canada   2017 - Present
Candidate for Bachelor of Engineering Science, Software Engineering
- Currently enrolled in 3rd year

OSSD/Aurora High School, Aurora, ON, Canada   2013 - 2017

ACADEMIC PROJECTS

Database Management System (Course Selector)   2019
- Worked in a team of three to create a database management system stored on GitHub
- Designed a normalized relational database
- Used MySQL to create the database and scripts to generate data to be used
- Used PHP to retrieve data from MySQL server and display it on webpage

Full Stack Web Application Using Angular   2019
- Individual complex web project stored on GitHub
- Initially began with MEAN stack, then integrated with Google Firebase instead of MongoDB
- Web application included registration with security, user interface, and database management

Multi-User Multi-Transaction Server   2019
- Worked in a team of four to create a client-server system on UNIX through VM software
- Used C++ to manage processes and threads on server-side and Python to create the user interface
- Used Amazon AWS to host server where multiple clients can connect at one time and interact with each other

Classic SHMUP Game with Unity   2018
- Worked in a team of three to create a SHMUP (Shoot 'em up) genre game stored on GitHub
- Incorporated design patterns as necessary under given constraints
- Created scripts using C#

Assistive Device for People with Paraplegia   2017
- Worked in a team of five to design and build a wheelchair attachment that allows a person with paraplegia to play the damper pedal of the piano using their back to press on a plate
- Used Onshape (CAD software) to create a design for the device and built a prototype of the mechanism
- Device used basic hydraulic motion to transfer force from the user's back onto the pedal

WORK EXPERIENCE

Hidden Bay Leadership Camp, Nobel, ON, Canada   2019
Kitchen Assistant
- Worked full days at overnight summer camp managing all kitchen operations and staff
- Collaborated closely with camp director and assisted with non-kitchen operations as required

Costco Wholesale, East Gwillimbury, ON, Canada   2018 - 2019
Night Merchandiser
- Resolved customer issues and assisted customers according to their needs
- Assisted other departments as needed to maintain warehouse operations

Western RezNet, London, ON, Canada   2018
Service Technician
- Helped customers set up wired and wireless connections within residence
- Provided technical expertise in troubleshooting network related problems
- Recorded accurate and detailed tickets for all interactions

SKILLS

- Well versed in Java, TypeScript, Python, PHP, C++, Unity, and C#
- Experience in MongoDB, MySQL, and Google Firebase
- Able to type at 100+ words per minute
- Proficient in Microsoft Office (Word, PowerPoint, Excel) and Google Suite (Docs, Sheets, Slides)
- Proficient in using GitHub (Git Bash) to store and update project repositories
- Front-end Development (HTML, CSS, JavaScript)
- Back-end Development (Express, Node.js, MongoDB, Firebase)
- Always determined to get tasks done with quality
- Always optimistic to learn new languages and processes

AWARDS

Western University
- Dean's Honour List (80%+ average)   2018

Aurora High School
- Honour Roll throughout all grade (80%+ average)   2014 - 2017

AFFILIATIONS

Western AI (Medical Imaging Project Team)   2019
- Member of medical imaging team focused on developing AI that will help identify the area of disease, primarily in breast cancer
- Completed bi-weekly workshops on machine learning

Languages: English and Russian
Interests: Physical fitness, travel, web development, soccer, music, tennis, video games