Andrew Xing

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Experience

Software Developer – JSI Telecom   **Fall 2018**

- Refactored major UI components of codebase from **Delphi** to **.NET** in a **MVVM** approach. Complex legacy classes were reused through COM callable wrappers

- Lead effort in improving **WPF** Telerik Radgridview performance by reducing initial load time by 70% with lazy loading (12s to 4s)

- Added toggling for datagrid lazy loading by registry key

QA / Software Engineer – Health Canada   **Winter 2018**

- Worked on **.NET** Microsoft Word extension that partially automates the drug screening and review process

- Created fully responsive intranet based informative website from scratch with **media queries** and **Modernizr**

- Enabled functionality app UI in 150% and 200% resolution screens

Website Team – WATonomous   **Fall 2017**

- Helped deliver a website for Waterloo's driverless car team @watonomous.ca. Built with **NodeJs**, **Express**, **Mongo** and **React**

Projects

Orchestra Online – UOttaHack

- Created tool for users to play computerized instruments online real-time in private rooms using **NodeJs**, **Express**, and **Socket.io**

Competitive Programming

- Wrote over 150 verified solutions to algorithm problems on DMOJ with **Python** and **C++** (data structures, graph theory, DP)

Modulus1

- Imitated an automated room lighting system with LEDs and an open source microcontroller (Onion Omega2)

- Built alarm system using multithreading in **C++**, allowing asynchronous functionality between multiple alarms and webcam motion sensor

Skills

Languages:

HTML / CSS / JavaScript, NodeJs

C#, VBA, WPF, XAML

C++, Python, SQL, *Mongo

Libraries:

Express, socket.io

Patterns:

MVVM, MVC, IOC, REST

Tools:

Unity, Git, Linux, Visual Studio, *Minecraft Forge, *Photoshop, Canvas

* - *Still getting there.*

Achievements

2017 – Waterloo President's Scholarship

2017 – DELF French B1 Certificate

2017 – IB Diploma

2015 – RCM Grade 10 Piano

Interests

Multiplayer game dev

Skiing & Basketball

Music – Piano, Guitar

Asserting dominance over little brother