

EDUCATION

WESTERN UNIVERSITY
BESc, Software Engineering
2016 Graduation

LANGUAGES

- Java, C/C++, Objective-C
- Javascript, NodeJS, AngularJS
- SQL, XML, QML, XPath
- HTML, CSS, Sass
- Python, C#

SKILLS

- OOP, Design Patterns, UML
- Git, Scrum, Agile
- NoSQL, MongoDB, ER Diagrams
- Twitter Bootstrap, Sencha ExtJS, iOS
- Mac, Windows, Linux

TECHNICAL PORTFOLIO

USC ELECTIONS WEBSITE

2015

- Blogging site for candidates for Western University Council elections
- Admin users have secure access to a management portal to add pictures, and manage blog posts
- Built on a server written in NodeJS with Passport and bCrypt used for security
- NoSQL database using MongoDB
- Frontend was made with AngularJS and Twitter Bootstrap

NFC CAPTURE THE FLAG (BETA)

2015

- Socket based multi-threaded capture the flag game written in C/C++
- Extensive use of threads and semaphores to handle complex game logic and parallel processing
- Future iterations will implement a mobile version for Android using NFC Protocols

ART DATING WEBSITE

2014

- Dating website for artists with matchmaking algorithm analyses elements of artistic style to match users
- Uses large volumes of complicated and interesting SQL queries to manage over 1000 users and their matches
- Database hosted on VPS and managed using both command-line operations and MySQL Workbench

NFC ROUTER

2014

- Robust web application providing a routing service for NFC tags
- Aimed at advertisers who want to manage a large number of NFC tags remotely to localize content or update information
- Built with a NodeJS backend and use of Parse external API to manage user accounts

EXPERIENCE

SOFTWARE DEVELOPER, *SIGHTLINE INNOVATION*

2014 - Present

- Developed and large scale utility applications for clients in the public sector
- Worked in Scrum teams, with use of requirements documentation and regular backlog and scrum meetings
- Extensive use of advanced JavaScript concepts to build robust real-time interfaces with Sencha Ext JS
- Complex server-side logic using JSNation open source framework
- Made contributions to additional open source framework under development
- Managed complex Mongo datastores

INTERESTS

