Matthew D'Souza

University of Waterloo
Software Engineering

matt.dsouza@uwaterloo.ca
github.com/dsouzam
mattdsouza.com

Summary of Skills

- Proficient with C, C++, Java, JavaScript/jQuery, HTML, CSS, Git/GitHub
- Experience with Android, Linux, Python, SQL
- Strong interpersonal and time management skills developed from over two years of work experience as sales associate/merchandise receiver

Projects

Metashift (JavaScript & Python)   *Aug. 2015*
- Implemented front-end logic to dynamically retrieve, aggregate, sort, and display large data sets using Highcharts
- Used a Django/SQLite back-end to process thousands of calls to the Riot Games API

UWFlow Plus (jQuery)   *Jun. 2015*
- Created a hover interface with information parsed from the UWFlow API
- Developed graphics and resources using Photoshop and the Processing language
- Published on the Chrome Web Store; used by 50+ users with a 5-star rating

Sorting Algorithm Visualizer (Java)   *Jan. 2015*
- Developed graphical interface to visualize selection, insertion, merge, and quick sort
- Implemented multithreading to show comparison of sort efficiencies in real time
- Used inheritance and polymorphism to minimize code reuse

Tetris (Java)   *Jun. 2014*
- Created a Tetris clone using Java's Swing library

Awards & Achievements

Top 3, Tech Retreat Hackathon, University of Waterloo, Waterloo, ON   *Aug. 2015*
- Created a direct peer-to-peer chat client, circumventing the need for a server using UDP hole-punching

Winner, UOIT Engineering Robotics Competition, Oshawa, ON   *Nov. 2014*
- Placed first of over 40 teams in a Lego MINDSTORMS robotics competition

Activities & Interests

- Playing guitar
- Reading (computers, mathematics, A Song of Ice and Fire)
- Biking, running, weightlifting