

EDUCATION

University of Waterloo
Software Engineering 2021
2A Term

SKILLS

LANGUAGES: Java, Swift, C++, Python, JavaScript, JSP, HTML, CSS, SQL
TECHNOLOGIES: Spring MVC, React, jQuery, Ajax, OOP, Google Guava, Git, Apache Solr, MySQL, JUnit
SOFTWARE: Eclipse, Xcode, HeidiSQL, GitLab, IntelliJ, WebStorm, KDiff3

EMPLOYMENT

LYRICFIND

Full Stack Developer (Co-Op)

Toronto, ON
May 2017 to Aug 2017

- Responsible for the design, back and front end, testing, and integration of code while doing issue-based development with GitLab. All projects used Spring MVC and JUnit for testing
- Used Java, SQL, React, and Ajax to redesign key web application feature used by content team to manage assignments and requests. This increased performance and speed
- Rebuilt search functionality associated with lyric usage data analytics, increasing my proficiency with Apache Solr and allowing for faster data querying. This made key information available for business and publishing teams
- Used Java, SQL, and JSP to add critical improvement to search tools system, allowing for multi-faceted search functionality

TD SECURITIES - GED DEVELOPMENT

Software Developer (Co-Op)

Toronto, ON
May 2016 to Aug 2016

- Used Java and SQL to increase efficiency of financial report generation system, reducing run-time on server
- Used Java, HTML, and JSP to add additional features and fix critical bugs for a TD onboard-approval website
- Gained practical experience with the development, testing and implementation of software

PROJECTS

PERSONAL WEBSITE V2

Aug 2017

- Designed with Materialize front-end framework and with extensive use of custom jQuery and CSS
- Includes excellent usage of third-party JS libraries like ParticleJS, Textillate, and Scrollify

RIDE FOR CRAIG WEBSITE

Aug 2017

- Website for a charity bike ride built using Bootstrap 4, HTML, CSS, and jQuery
- Made in only a couple of days of coding due to the tight timeline that was presented to me

ROCKETBALL (IOS - WORK IN PROGRESS)

Jul 2017

- A neon take on the classic game of Pong, with power-ups and unique gameplay
- Learned Swift and iOS development during my spare time for this project

TEXAS HOLD 'EM POKER (JAVA)

Dec 2016

- Texas Hold 'Em Poker game with competitive computer players, each with their own unique play personalities
- Attractive user interface that includes dynamic table elements and animations, scrolling game updates
- Computer players make moves based on own personality traits paired with statistics of player and pot odds
- Built using OOP and the Slick2D graphics library

MATRIX MANIPULATION (PYTHON)

Dec 2016

- Efficiently calculates the determinant and inverse of a matrix, and can solve a system of n linear equations

TEXT FILE ENCRYPTION (JAVA)

Sep 2016

- File encryption/decryption program made in Java. Parses specified file and outputs encrypted text to desired directory using either Playfair or Vigenere encryption algorithms