

Jin Rong (Tony) Cao

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Skills

- Over three years of programming experience in Python, Java, C, C++ and Shell Script
- Beginner skills work in web development and web services using HTML5 and CSS
- Proficient skills working with source version control system Subversion (SVN)
- Very comfortable learning and using new software languages and technologies
- Solid understanding of SLDC in particular, Agile methodology, and SOLID design principles
- Practiced skills working with Unified Modeling Language (UML)
- Accurate white-box and black-box unit testing skills using JUnit and PyUnit
- Strong organizational skills that include time, project and team management
- Professional skills using Microsoft Suite including Word, Excel, PowerPoint, and Outlook
- Excellent oral and written communication skills
- Seasoned high-quality customer service skills
- Seasoned skills using Linux and Mac command line to navigate directories and compile software
- Expert quantitative skills including Calculus, Linear Algebra, Probability and Differential Equations
- Experienced working with pipes and filters, system calls, signals and sockets
- Intermediate skills with shell programming in a Linux environment
- Passionate for finding, exploring and using new technologies and ideas in projects
- Established skills of paying attention to small important details

Education

Candidate, Honours Bachelor of Science

September 2018- present

University of Toronto Scarborough

- Specialist Software Engineering Co-op Program and Major in Mathematics, 2nd year
- Cumulative GPA of **3.95 out of 4.0**
- Designated University of Toronto Scholar in Sept 2018, carrying an award value of \$7,500
- Received a scholarship worth \$3,000 in Oct 2019 for having a Cumulative GPA greater than 3.7
- Named to Dean's List in November 2019 in recognition for outstanding academic performance

Projects

eCommerce Mobile Application

Present

- Supervised a team of four as scrum master to follow Agile software development methodology
- Followed SOLID design principles when designing interfaces and classes in Java 1.8 to simulate components of an online store
- Developed an Android app written in Java using Android studio 3.5 to create a mobile app that simulated users shopping or working at an online retail store

Personal Webpage

September 2019

- Designed an online website with different sections and colours after being self-taught CSS and HTML through online modules resulting in a fully developed webpage on the U of T server

File Handling Server

August 2019

- Created a server using stream sockets in C that allowed clients to connect to the server and request for a particular file to be downloaded from the server

Linux Filter

July 2019

- Implemented a pipeline in C that simulated a Linux filter in shell, data processor from standard input to standard output, using the software concepts of processes, pipes and filters

Mini Music Sequencer

March 2019

- Assembled a music sequencer with the ability to harmonize notes, create playlists and produce musical output through the implementation of Binary Search Tree data structures in C

Mini Movie Review Database

January - February 2019

- Generated a sorted movie database through the implementation of a Linked List data structure in C that allowed users to keep track of movies that they have seen and give a rating for each

Royal Castle Hero

May 2018

- Designed a replica of a graphic video game, using Python, complete with fully animated moving characters, moving background and complete audio

Work Experience**Customer Service Representative**

June 2018 – Present

Pape Flower Market, Toronto, Ontario

- Communicated in-person & online with customers to resolve and meet customer needs
- Organized and kept track of customer's orders to ensure they are available on time
- Provided assistance whenever requested to ensure successful shopping experience

Volunteer/ Extracurricular Experience**Co-coordinator**

September 2014 – June 2018

Monarch Park Collegiate Library, Toronto, Ontario

- Planned and organized various events that ran for 4-6 weeks throughout the school year
- Collaborated in teams of 2 to 5 to create festive events

Club Secretary

September 2015 – June 2018

Radio Monarch - Monarch Park Collegiate, Toronto, Ontario

- Organized meetings and created schedules on a monthly basis
- Worked with administrative school staff to ensure fully working equipment

Achievements and Awards

- Received the Beryl Trimming Green Memorial Award for Computer Studies 2017-2018 for outstanding performance in computer studies
- Received the Arthur Livingston Library Award 2017 – 2018 in recognition for outstanding passion and involvement with the library
- Received the Riverdale Kiwanis Club Award 2017 – 2018, with an award value of \$150, for demonstrating academic excellence and a strong commitment to community service