JULIA DU

Candidate for Bachelor of Software Engineering
University of Waterloo

julia_du@outlook.com ✉
juliadu
julia-youlin-du

C/C++ | Java | Python | HTML/CSS | Git/GitHub | Bash | Linux | Visual Studio | Assembly

EXPERIENCE

Bank of Montreal, z/OS Mainframe Application Analyst • Scarborough   May – Aug 2019

- Redefined access permissions for IDs on the mainframe by coding and submitting jobs using **Job Control Language** to improve efficiency and security across **10** teams
- Automated multiple task processes to reduce manual work and time wasted by **50%**
- Tested and updated **REXX** programs for automation of audit logging of user activity
- Created detailed technical documentation for incoming co-op students
- Completed **1000+** critical user **ServiceNow** requests for branch operators on the mainframe

PROJECTS

Automated Model Amusement Park Project   Sept – Nov 2018

- Programmed **Arduino (C/C++)** to create a user-controlled amusement park model with functional Ferris wheel, rollercoaster, and carousel swing ride
- **550** lines of code and **13** physical components in final fully integrated version
- Successfully integrated parts like DC motors, Waveshare e-paper screen, master-slave Arduino systems, and sensor-triggered Android camera function without prior experience
- Collaborated with a partner using **git/Gitlab** and pair programming through the SDLC

Student Record System   June 2018

- Used **Java** and **OOP** to create a student record-keeping program to store important information for up to 1000 students in **Eclipse**
- Designed an aesthetically pleasing and simple to use **GUI** for record entry and deletion

Fitbit Instant Game, Hack the North • Waterloo, ON   Sept 2019

- Explored **Unity, OAuth,** and **Facebook APIs** with a team to work on a project gamifying exercise with Fitbit in 36 hours
- Solved integration and authorization issues with Fitbit and Unity

FEEDHEROES Team Director, SHAD • UNB   July 2016

- Developed a solution to Canadian food security from idea to fully designed product
- Directed team through production of a **50-page business and financial plan**

LEADERSHIP & COLLABORATION

Interact Co-Chair   2015 – 2018

- Raised over **$15 000** in partnership with Rotary International through GoFundMe to provide solar lighting and school supplies to villages Guatemala to empower communities
- Personally delivered **200** solar lighting units and **300** school supplies packs

DECA VP of Chapter Development and Training   2015 – 2018

- Mentored members to increase number moving on to Provincials by **50%**
- Managed a profit-based store simulation to place **3rd** in North America for highest profit

AWARDS

Software Engineering Entrance Scholarship, for high academic and extracurricular performance
Rotary Int. Paul Harris Fellow, for outstanding international service and leadership in Guatemala
Top Euclid Math Contest and Canadian Computing Contest Score, CCC written in **Java**

HOBBIES & INTERESTS

Jazz and classical piano • Recreational badminton • Cooking • Volunteering • A Cappella