Case Ploeg

case.ploeg@mail.utoronto.ca 705-795-8015

https://github.com/casePloeg https://caseploeg.github.io

SKILLS

- Ability to use Python to solve problems, developed while working on in class assignments, personal projects, and competitive programming
- Experience with Firebase, JavaScript, Node.js, and Git developed while creating a reminder bot for Twitter
- Confident working with a range of people and communicating ideas and information in a professional manner
- Able to remain calm in a high stress environment while dealing with deadlines and expectations
- Capable of asking for reclarification to gain knowledge required to complete a task as well as express concerns

Education

University of Toronto Scarborough   September 2017 – Present

Candidate, Honours Bachelor of Science — Specialist in Software Engineering Co-op, 1st Year
- CGPA 3.8/4.0

Projects

Automated Reminder Bot for Twitter   January 2018 - Present
- Researched Twitter API and Node.js modules required for bot development, developed the ability to effectively use open source frameworks and automate mundane tasks such as a tweet and replying to followers
- Implemented database functionality using Firebase, resulting in a system that dynamically stores data
- Designed a product that is easily scalable and open source, resulting in the ability to expand on the project in the future as well as collaborate with others on the project

Portfolio Website (Web Development)   January 2018 - Present
- Designed a personal website using HTML and CSS resulting in a portfolio accessible for mobile and desktop users
- Implemented cellular automaton algorithms in a web environment using JavaScript, resulting in an ability to apply functional programming skills to generate creative solutions
- Deployed and maintained the website data files using Git, resulting in the ability to maintain an effective work flow while having the ability to collaborate with others on the project if needed

Extracurricular Activities

Competitive Programming (https://open.kattis.com/users/case-ploeg)   October 2017 – Present
- Developed the ability to apply the skills that are taught in Math and Computer Science classes to solve problems from past competitions, resulting in a top 10 placement out of over 100 University of Toronto Students
- Designed algorithms fit for a wide range of problems, resulting in a strong understanding of the fundamentals of functional programming and language features including choice of data structures

Volunteer for Kangaroo Math Competition (University of Toronto Scarborough)   March 2018
- Collaborated with a team of volunteers to help set up signs and guide participants to their test location, resulting in a successful event where participants could easily traverse the campus

Past Competitions

University of Toronto Undergraduate Math Contest   March 2018

Microsoft Coding Challenge   October 2017

Work Experience

Tim Horton's – Team Member   March 2015 - June 2017
- Encouraged other team members to cooperate and be kinder towards one another, resulting in a happier and more productive workplace where employees were motivated to do their job
- Developed the ability to work under pressure in a lunch time rush setting, resulting in an ability to quickly complete tasks and work in a role that thousands of customers depend on to be done properly