

Case Ploeg

case.ploeg@mail.utoronto.ca 705-795-8015
<https://github.com/casePloeg> <https://caseploeg.github.io>

Skills

- Experienced with solving problems using **Python** from course work and extracurriculars
- Able to execute ideas using **JavaScript** and **Git** for various web-based projects
- Confident working within a team and communicating information in a professional manner
- Capable of remaining calm in a fast-paced environment while meeting deadlines on time

Education

University of Toronto Scarborough

September 2017 – Present

Candidate, Honours Bachelor of Science — Specialist in Software Engineering Co-op, 2nd Year

- CGPA 3.78/4.00

Projects & Extracurricular Activities

Automated Reminder Bot for Twitter

- Developed the ability to utilize an API and open source frameworks to automate tasks such as replying to followers, resulting in a system that is self maintained and runs 24/7
- Implemented a database for messages using **Firebase** and created an algorithm with **Node.js** to decide when reminders are sent to users, resulting in a functional bot that reacts dynamically

Mathematics Concepts Visualized

- Created animations using **JavaScript** (p5.js / processing.js) to showcase interesting mathematical concepts, resulting in an ability to easily share with and educate peers
- Utilized object-oriented programming to create a flexible system, allowing the user to interact with the algorithms and learn from different variations of the animation

Computer Science & Mathematics Competitions – (<https://open.kattis.com/users/case-ploeg>)

- Applied knowledge of **Python** and data structures to solve algorithmic questions, resulting in a top 5 placement out of over 200 University of Toronto students
- Past competitions include: Google Code Jam 2018, University of Toronto Undergraduate mathematics competition 2018, Microsoft Coding Challenge 2017

Portfolio Website

- Utilized **HTML5**, **CSS3**, and **Bootstrap** to create a website accessible on both desktop and mobile
- Deployed and maintained source code using **Git**, enabling future expansion and collaboration

Experience

Tim Horton's – Team Member

March 2015 - June 2017

- Encouraged other team members to create positive work environment, resulting in a happier and more productive workplace where employees were motivated to do a good job
- Developed the ability to work under pressure in a lunch time rush setting, resulting in an ability to quickly complete tasks while working under a deadline

Kangaroo Math Competition (University of Toronto Scarborough) – Volunteer

March 2018

- Collaborated with a team of volunteers to facilitate the event and guide participants to their test location, resulting in a successful event run for hundreds of students