

## Case Ploeg

Unit #: (F-7-G)1295 Military Trail, Ontario, M1C 3A8

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

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### SKILLS

- Outstanding 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 clarification to gain knowledge required to complete a task as well as express concerns

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### Education

#### University of Toronto Scarborough

September 2017 – Present

Candidate, Honours Bachelor of Science — Specialist in Software Engineering Co-op, 1<sup>st</sup> Year

- CGPA 3.8/4.0
- Received Entrance Scholarship of \$1000

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### 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 as well as familiarity with Google products and workflow
- 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

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### 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

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### Academic Experience

#### Introduction to Computer Science I (CSCA08)

September 2017 – December 2017

- Solved weekly exercises using test-driven development to ensure that all answers were correct before submitting, resulting in perfect scores for each assignment
- Designed large systems to tackle problems that simulate real world client requests for software development, resulting in an ability to deliver what the customer needs in a timely manner

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### 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 are depend on to be done properly