

Dillon Chan

<http://www.mosiman.ca>

<http://github.com/mosiman>

Summary of Qualifications

- 6+ years programming personal and academic projects
- Proven interpersonal skills
- Quick and eager to learn the best tools for the job
- Fourth year Applied Mathematics student at the University of Waterloo
- Academic focus on computation and bioinformatics

Skills

Technical

- Python
- R
- C++
- Julia
- Git
- Linux

Relevant Projects

Parking Ticket

Analysis & Visualization (2018)

- Gathered and cleaned parking ticket data.
- Computed additional features with OpenStreetMap Nominatim & Overpass.
- Analysis done with Julia & SQLite, hosted on a Django server, visualized with Javascript.

mosiman.ca (2018)

- Created a personal webpage from scratch, from server-side to client-side.
- Developed with Django, HTML/CSS, and Javascript.

A.B.E (2017)

- Collaborated on a chrome extension that placed in the top 5 at RUHacks 2017.
- Incorporated Natural Language Processing API to prevent harmful tweets.
- Demonstrated application on stage to all hackathon participants.

Accuplan (2016)

- Developed AngularJS app at Hackuweather 2016 hackathon as finalists.
- Compiled data from Accuweather API, visualized with Google Maps API

Education

University of Waterloo

Bachelor of Mathematics in Applied Mathematics (Biology)

Waterloo, ON

September 2015 - Present

Relevant Courses

- Numerical Linear Algebra
- Numerical Analysis
- Computational Statistics
- Object-Oriented Programming
- Ordinary/Partial Differential Equations
- Data Structures & Algorithms

Work Experience

Tutor Doctor

Mathematics

Instructor

Oct.2017 - Present

- Summarize advanced mathematical theory into intuitive concepts.
- Generate homework problems with Python scripts.
- Utilize computer software to strengthen mathematical understanding.

City of Toronto

Lifeguard

May.2016 - Sep.2016

- Coordinated dynamic tasks with team in a high-pressure environment.
- Resolved issues with swimmers using interpersonal skills.