

TRISTAN POTTER

3A — UNIVERSITY OF WATERLOO — ID: 20525870

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SUMMARY OF QUALIFICATIONS

- Proficient in HTML, Python (Django), Racket (Scheme), C, C++, Java, Git, SVN, Bash, L^AT_EX, CSS, Javascript (including libraries such as JQuery and Ember.js), Golang, PostgreSQL, Ansible, and CouchDB.
- Experience working with Linux, Windows, and Mac OSX.
- Advanced leadership and communication skills from years of community involvement.

EMPLOYMENT HISTORY

Developer Intern (September 2016 - December 2016)
Shopify Inc.

- Maintained a real-time analytics engine to provide consumer data to merchants using tens of millions of data points per merchant.
- Contributed to discussions on Golang best-practices and helped direct development standards.
- Implemented a system to de-duplicate data from real-time input.
- Improved code readability and consolidated code to decrease development time.

Web Developer (May 2015 - September 2015 and January 2016 - April 2016)
BitCircle Inc

- Created a new Django (Python) API using standard REST endpoints and standards for health data, reducing maintenance times, and broadening application compatibility.
- Standardized client-server communication using ES6 promises.
- Wrote documentation and style guides to create company code standards, decreasing new-hire transition times and team confusion.
- Updated data models to increase data integrity.
- Constructed a build system to deploy the web stack using Ansible.
- Transformed the front-end client to be a single-page Ember.js application.

Developer Extrordinaire (Web Developer) (May 2014 - September 2014)
Willet Inc

- Worked with Python (Django), PostgreSQL, Git, JavaScript (Marionette, Backbone, JQuery), HTML, and CSS.
- Created and managed an in-house dashboard to display analytical usage data pulled from various sources for clients and the sales team, growing confidence in the efficacy of the product against the competitors.
- Developed a new algorithm for displaying content to users, improving conversion rates.
- Re-designed a RESTful API using TastyPie for Django, decreasing development time.

TECHNICAL PROJECTS

- Completed a team project to implement a 3D line-rendering engine in Java using home-made rendering algorithms (<https://github.com/DrTeePot/The-Mahogany-Engine>).
- Created a 2D game that utilized multi-threading and OOP design (<https://github.com/DrTeePot/FallingBlocks>).
- Working on a patch for Couchdbkit, a Python interface for Apache CouchDB (<https://github.com/DrTeePot/couchdbkit>).
- Developing a game engine in Golang using OpenGL (<https://github.com/DrTeePot/game>).

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VOLUNTEER HISTORY

Chair, Board of Directors

(January 2017 - Present)

Math Endowment Fund

- Manage the day-to-day operations of an endowment fund with a principle of over \$6 million.
- Made decisions on applications for individual funding up to \$750 per person.
- Investigated the creation of a student-run investment fund on campus.
- Contributed as an at-large director since March 2014.

At-Large Director

(May 2016 - Present)

Imprint Publications

- Contributed to HR decisions, including hiring a new Executive Editor, as a member of the Human Resources Committee.
- Reformed Editorial Policy to be more friendly and focussed on campus objectives.
- Responded quickly to day-to-day operational issues that required board assistance.

Governor

(May 2015 - Present)

University of Waterloo

- Represented the University of Waterloo at distinguished functions.
- Brought a student vote to important issues such as international tuition hikes, environmental impacts, and discussions on the performance of Executive Officers.
- Helped oversee the process to re-appoint the President of the University.

Math Senator

(October 2014 - Present)

University of Waterloo

- Represented Math students to the university administration, including the Deans, Provost, and President.
- Guided changes to the communication requirements for Math students.
- Assisted with the creation of snow-day policy and a fall term reading break.

President

(January 2015 - April 2015 and September 2015 - December 2015)

Mathematics Society of the University of Waterloo

- Chaired general meetings and served as ex-officio member of all committees and boards of the society.
- Oversaw the Mathematics Societies business ventures (approximately \$800,000 yearly gross revenue).
- Implemented more efficient budgeting, created greater revenues, and increased attendance at key events.
- Oversaw the completion of special projects such as the \$58,000 Comfy Lounge Renovations and the Coffee and Donut Shop Renovations.

EDUCATION

Candidate for Bachelor of Math in Computer Science, Business Option

University of Waterloo Waterloo, Ontario • September 2013 - Present

ACTIVITIES AND INTERESTS

- Participated in hackathons (multi-day programming events) including Hack the North.
- Competed in individual and team-based programming competitions.
- Studied piano for over ten years, and continue to play.
- Avid biker, runner, and skier.