

TRISTAN POTTER

2B — UNIVERSITY OF WATERLOO — ID: 20525870

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SUMMARY OF QUALIFICATIONS

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

EMPLOYMENT HISTORY

Developer Extrordinaire (Web Developer)

Willet Inc (May 2014 - September 2014)

- 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
- Developed a new algorithm for displaying content to users
- Re-designed a RESTful API using TastyPie for Django

TECHNICAL PROJECTS

- Creating a dynamic and responsive website using Django and Bootstrap for potential clients (including the Guelph Concert Band)
- Maintains the Guelph Concert Band's current website (the new one is not live yet)
- Constructed a static website located at <http://csclub.uwaterloo.ca/~twmpotte>
- Completed a team project to implement a 3D line-rendering engine in Java without using 3D libraries (see <https://github.com/DrTeePot/The-Mahogany-Engine>)
- Created a 2D game that utilized multi-threading and OOP design (see <https://github.com/DrTeePot/FallingBlocks>)
- Selected parts and independently built a computer

VOLUNTEER HISTORY

President

Mathematics Society of the University of Waterloo (January 2015 - Present)

- Managed the day to day affairs of the Mathematics Society
- Interacted with employees, university faculty, external bodies, and students in order to improve student experience
- Represented the Mathematics Society to external and internal organizations
- Chaired general meetings and served as ex-officio member of all committees and boards of the society
- Oversaw the Mathematics Societies business ventures (approximately \$200,000 yearly)

Math Senator

Senate of the University of Waterloo (October 2014 - Present)

- Represented Math students to the university administration, including the Provost, President, and Deans
- Helped institute changes to the communication requirements for Math students

Member at Large, Board of Directors

Math Endowment Fund (MEF) of the University of Waterloo (March 2014 - Present)

- Oversaw the operations of a \$5 million endowment fund
- Approved funding decisions (approximately \$240,000 yearly)

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EDUCATION

Candidate for Bachelor of Math in Computer Science, Business Option

University of Waterloo Waterloo, Ontario • September 2013 - Present

Computer Science

- Programmed as part of a team to create a graphical Bejeweled clone in C++
- Investigated program speeds and big-O notations
- Learned memory management techniques
- Worked with trees, lists, structures, explicit and implicit recursion, and lambda from a functional paradigm
- Created programs to evaluate hands of cards, convert units based upon arbitrary rates, and count coin values in any currency

Business

- Investigated organizational and management structures from a human resources and efficiency point of view
- Managed a virtual business with a group of four people and achieved the second highest shareholder value of all 40 groups
- Introduced to financial accounting
- Discovered how money markets, consumer behaviour, supply and demand, and inflation relate

John F. Ross C.V.I. Guelph, Ontario • 2009-2013

- Received OSSD
- Achieved honour roll every year
- Led the programming club at John F. Ross C.V.I.
- Received a 4/5 on the Advanced Placement English Language and Composition Examination (July 2013)
- Finalist in a team-based programming contest (ECOO Boardwide) two years in a row (May 2012 and May 2013)
- Semi-finalist in a team-based programming contest (ECOO Regional) two years in a row (April 2012 and April 2013)
- Earned a John F. Ross C.V.I. School Letter for extracurricular involvement (May 2013)
- Was a member of the cross country and track teams for four years, as well as the triathlon team for two years
- Played in Senior Concert Band and Concert Choir

ACTIVITIES AND INTERESTS

- Participated in hackathons (multi-day, no sleep, programming events) including Hack the North
- Competed in individual and team-based programming competitions
- Studied piano for over ten years, and continue to play
- Energetic biker, runner, and skier