

EVEREST MUNRO-ZEISBERGER

➤ CONTACT

✉ esmunroz@uwaterloo.ca
🌐 everestmz.com
☎ +1 (226) 606-4504
in everestmz
🔗 everestmz

➤ SUMMARY OF QUALIFICATIONS

- Computer Scientist skilled in programming, data manipulation, analysis and design
- Developer with the ability to efficiently improve, maintain and fix existing software
In other words, I'll figure your stuff out, without wasting your time
- Fast, independent learner with the ability to quickly become productive in new environments
- Detail-oriented and able to follow instructions and design specifications
- Effective communicator in English (native) and Mandarin (near-fluent), developed through teaching Taekwondo, Math, Science and Languages to younger students

➤ SKILLS

LANGUAGES: Java, Ruby, Javascript, Python, Arduino, Racket, C/C++, Processing, Shell Scripting, HTML/CSS, JSP, SQL

FRAMEWORKS: d3.js, Rails, Bootstrap, OAuth, Google webapp2, Jekyll, GetSimple CMS, Pyinotify, Scribe, Scrappy, Node.js, Highcharts

TOOLS: Git, Vagrant, Java Tomcat, OpenStack, Logstash, Excel, Kibana, Elasticsearch, Firebase

➤ EMPLOYMENT

SHOPIFY Ottawa, Canada
Developer Intern May 2016 to Aug 2016

- Migrated the Shopify codebase from Rails 4 to Rails 5 as part of the Developer Acceleration team
- Created a tool to automatically retrieve failed tests from remote CI servers, saving time for developers
- Fixed the developer API for refunds and cancellations, leading to savings for customers, and an increase in customer satisfaction
- Maintained and improved the core Shopify application, including customer-facing order, transaction and payment systems

TATA COMMUNICATIONS Singapore
Operations and Security Intern Jun 2015 to Sep 2015

- Collected usage logs from OpenStack Servers using Logstash and Logstash Forwarder
- Simulated OpenStack Servers with Vagrant in order to analyze error messages
- Wrote Python scripts using Pyinotify to analyze OpenStack Servers for errors, and warn users of these errors

INSEAD BUSINESS SCHOOL Singapore
Data Science Intern & Research Assistant Mar 2014 to Sep 2015

- Created a web application in Java, using Tomcat Server, OAuth with the Scribe Library, and the LinkedIn API to generate a network graph of a user's connections
- Designed frontend using HTML, CSS and Javascript, d3.js, Bootstrap and JSP that allows users to interact with, visualize and gather statistics about their LinkedIn Network
- Programmed data pipeline in Java that preprocessed data for a d3.js-based visualization used to rate global Private Equity Funds

THE STAKEHOLDER COMPANY Singapore
Intern Oct 2013 to Nov 2013

- Assisted in making an application for the 2014 World Economic Forum in Davos
- Implemented a web scraper using Python and Scrappy that gathered data about World Economic Forum participants
- Programmed Python scripts to clean up and parse the data for use in the application

➤ PROJECTS

UWATERLOO REDDIT BOT (CURRENT)

- Built a processing method in python to gather and classify subreddit comments gathered via the Reddit API
- Implementing Scikit Learn, and machine learning algorithms including the KNN algorithm to classify Reddit Comments
- Developing a system to generate new comments by combining classification algorithms and Markov chains, using Markovify

KOAN (HACK THE NORTH 2016)

- Worked on a 4 person team to develop a fast early warning system for panic attacks using the Muse headband
- Built a microservice using Node.js that initiated callbacks when certain elements in Google's Firebase Live DB were updated
- Developed a Ruby on Rails backend that used Twilio to alert emergency contacts about panic attacks, based on data collected from the Muse
- Created a frontend using Highcharts and Firebase's live API to provide realtime updates of the patient's mental condition

ROBOTICS CLUB (UNITED WORLD COLLEGE OF SOUTH EAST ASIA)

- Founded the Robotics Club, and managed a team of 15 students
- Taught newcomers the basics of programming, electronics and mechanics
- Programmed and constructed a small autonomous car
- Calibrated optical rangefinders to allow preemptive collision avoidance

➤ EDUCATION

UNIVERSITY OF WATERLOO, WATERLOO, ON, CANADA 2015-PRESENT

Candidate for Bachelor of Computer Science

Relevant Learning:

Gained experience with data structures including Braun Trees, Binary Search Trees, Treaps, Deterministic Balanced Binary Search Trees, Priority Queues and Maps

UNITED WORLD COLLEGE OF SOUTH EAST ASIA (UWCSEA), SINGAPORE 2006-2015

International Baccalaureate Diploma

Graduated with 40 points in the IB Diploma