

# EVEREST MUNRO-ZEISBERGER

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## SUMMARY OF QUALIFICATIONS

- Two years' experience in Computer Science related work, with responsibilities in programming, data manipulation/analysis and design
- Over 5 years' experience programming with Windows, Mac OSX and Linux
- Motivated worker with the ability to lead and manage diverse teams, quickly learn new concepts and technologies to deliver projects on schedule, on time and on budget
- Strong leadership skills developed through managing an 8-person technology team for a TEDx Event, as well as a robot construction team
- 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

## CONTACT

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## TECH SKILLS

**LANGUAGES:** Java, Racket, Python, Javascript, C, Arduino, Processing, Shell Scripting, HTML/CSS, UML, XML  
**FRAMEWORKS:** d3.js, Bootstrap, OAuth, Google webapp2, Jekyll, GetSimple CMS, Pyinotify, Scribe, Scrappy  
**TOOLS:** Git, Command Line, Vagrant, Tomcat Server, OpenStack Server, Logstash, REST, Excel, IntelliJ, Eclipse

## EDUCATION

University of Waterloo, Waterloo, ON, Canada 2015-Present  
Candidate for Bachelor of Computer Science  
Relevant Projects and Learning:  
Faux Racket - Implemented a compiler, in Racket, for a subset of the Racket programming language, consisting of a parser and an interpreter  
Data Structures - 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  
Relevant Project: Extended Essay - A physics paper detailing the feasibility, cost, logistics and science of a manned return journey to Mars using current technology

## EXPERIENCE

TATA Communications (<http://tatacommunications.com/>) 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 (<http://www.insead.edu/>) Singapore  
Research Assistant May 2015 to Sep 2015

- Built Data Visualization to compare and rate global Private Equity Funds
- Programmed data pipeline in Java that allowed raw CSV files to be converted into an easily readable JSON format for the visualization
- Designed and built data visualization using HTML, CSS and Javascript, with the d3.js framework

INSEAD (<http://www.insead.edu/>) Singapore  
Data Science Intern Mar 2014 to Sep 2015

- Created web application that allows users to analyze their LinkedIn network
- Wrote backend in Java, using Tomcat Server, OAuth with the Scribe Library, and REST calls to the LinkedIn API to generate a network graph of a user's connections
- Designed frontend using HTML, CSS and Javascript, d3.js, Bootstrap and Java Server Pages that allows users to interact with, visualize and gather statistics about their LinkedIn Network

The Stakeholder Company (<http://thestakeholdercompany.com/>) Singapore  
Intern Oct 2013 to Nov 2013

- Assisted in making an application for the 2014 World Economic Forum in Davos
- Outlined the user interface for the web application
- Implemented 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

Hackathon Mentor (Volunteer) Singapore  
Mentor- Hackathon@SG and Ministry of Defence Data Analytics Challenge Jul 2015 to Aug 2015

- Mentored teams for 2 hackathons in Singapore
- Advised team members on pitching and presentation techniques
- Made suggestions on how to improve applications prior to presentations

## PERSONAL PROJECTS

SleepHacks (Hack the North)

- Built SleepHacks, a web service that allows travelling hackathon participants to quickly arrange accommodation with local hackers
- Programmed the backend that allowed residence postings to be made and linked users up
- Learned a new Python framework, and delivered a functional, efficient backend within 36 hours
- Tools used: Google's App Engine and webapp2 framework, Python, HTML/CSS/Javascript

Robotics Club (United World College of South East Asia)

- Founded the Robotics Club
- Taught newcomers the basics of programming, electronics and mechanics
- Programmed and constructed a small autonomous car
- Calibrated optical rangefinders to allow preemptive collision avoidance
- Tools used: Arduino

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## AWARDS

University of Waterloo · President's Entrance Scholarship Awarded to students with high admission averages (>90%)	Jun 2015
University of Waterloo · Euclid Math Contest Medal Awarded to the student with the best Euclid score in each school	Jun 2015
United World College of South East Asia · Top Computer Science Student Awarded to the top Computer Science student in the grade	Jul 2014

## ACTIVITIES AND INTERESTS

TEDx Technology Team: Head of Technology <ul style="list-style-type: none"><li>Managed a team of 8 people over 6 months</li><li>Designed and built the website</li><li>Maintained a day-long livestream consisting of 5 cameras with no downtime or glitches</li></ul>
Taekwondo <ul style="list-style-type: none"><li>Practiced Taekwondo for over 14 years</li><li>Achieved a Second Dan Black Belt</li><li>Ran Taekwondo lessons for younger students</li><li>Won a gold medal in the Singapore National Championships</li></ul>
Horsemanship <ul style="list-style-type: none"><li>Schooled and trained horses for 8 years</li><li>Achieved a 0 goal international Polo handicap</li><li>Trained horses for polo professionals in Europe for 2 summers in a row, working for room and board</li></ul>
Cross Country <ul style="list-style-type: none"><li>Ran competitive cross country for 5 years</li><li>Won team gold and silver medals from 2011-2014</li><li>Lead the UWCSEA team to a gold medal as Captain in 2014</li></ul>

Computer Building <ul style="list-style-type: none"><li>Constructed over five desktop computers for friends and family</li><li>Overclocked my personal computer to 1.3 times its original graphics performance</li><li>Was paid to custom-build computers to specification for a small financial services business</li></ul>
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Dental Hygiene workshop in Nepal <ul style="list-style-type: none"><li>Raised funds to bring toothbrushes and toothpaste for an entire school full of underprivileged children in Nepal</li><li>Spent a day teaching children oral hygiene</li></ul>
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House Building in Cambodia <ul style="list-style-type: none"><li>Raised funds to build over 15 houses for underprivileged Cambodian hill tribes</li><li>Traveled to Cambodia and spent a week building houses with 30 other students</li></ul>
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English Teacher at Smiling Hearts School, Cambodia <ul style="list-style-type: none"><li>Taught English for 2 weeks at a school for the needy in Cambodia</li><li>Engaged a class of 25 young students (8-10 years old) for 7 hours a day</li></ul>
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Teacher at the Da Qiao Primary School, Singapore <ul style="list-style-type: none"><li>Taught the children of low-income parents once a week for a year</li><li>Thought of exciting ways to teach english, math, science and mandarin</li><li>Led engaging break times with games to give the children breaks from learning</li></ul>
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## VOLUNTEER WORK