

EVEREST MUNRO-ZEISBERGER

› CONTACT

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› EMPLOYMENT

SHOPIFY

Developer Intern

Ottawa, Canada
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

Operations and Security Intern

Singapore
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

Data Science Intern & Research Assistant

Singapore
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
- 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

THE STAKEHOLDER COMPANY

Intern

Singapore
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 Scrapy that gathered data about World Economic Forum participants
- Programmed Python scripts to clean up and parse the data for use in the application

› PROJECTS

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 the 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

SLEEPHACKS (HACK THE NORTH 2015)

- 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

› 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

› 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, Scrapy, Node.js, Highcharts

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