

Christopher Luc

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Skills

Experience with Java, Python, Javascript, C#, SQL.
Familiar with C++, PHP

Experience

Yelp

Software Engineering Intern

San Francisco, CA

Aug - Dec 2015

- Discovered and fixed 10% of erroneously classified traffic in ads recovering \$450,000 per month
- Identified and evaluated multiple ways to isolate user and bot traffic for ML systems
- Implemented a visualization dashboard for many metrics important in classifying traffic

Zanbato

Software Engineering Intern

Mountain View, CA

Jan - Apr 2015

- Implemented an investment recommendation system in Python using k-NN and tf-idf
- Developed key flows and models using Django and Celery to allow syndication among client networks
- Created analytic dashboards for KPIs and established logging and Mixpanel infrastructure

University of Waterloo

Programming Competition Director

Waterloo, Canada

Sep - Nov 2014

- Designed and built a graph generator for a challenging optimization problem
- Built a testing suite to validate millions of rows of CSV data produced by competitors

Tangam Systems

Software Developer Co-op

Waterloo, Canada

May - Sep 2014

- Implemented shift flexibility within scheduling, increasing theoretical table game revenues for casinos by up to 20%
- Decreased the load time of a heavy traffic page by 50% using SQL optimizations
- Developed the language and caching frameworks for internationalization in .NET

Xtreme Labs

Agile Engineering Intern

Toronto, Canada

Sep - Dec 2013

- Developed the checkout, account and product detail pages in Backbone for Mountain Equipment Co-op
- Rebuilt the Bell.mobi app to be an SPA using JQuery

Bronte College of Canada

Programmer

Toronto, Canada

Jan - May 2013

- Built an Android app for collecting prospective student's information and syncing across many devices via MySQL
- Implemented the summer camp application process and workflow in J2EE

Projects Please visit my github.com/chrisjluc to learn more about my open source contributions

- Onesearch - Android word game 4.9 stars, 900 downloads play.google.com/store/apps/details?id=chrisjluc.onesearch
- 4th place in University of Waterloo Sumo Robotics competition - used Arduino, calibrated and integrated sensors
- Chio - Bot for Facebook Messenger integrated with Uber, Google, Yelp, Wit.AI and Eventbrite built in Node
- Mine - Users can search and share reviews on products they own, used Elasticsearch, Redis and MEAN stack
- Uniq - Prospective students can search and compare programs, used Django and Memcached deployed on AWS

Education

University of Waterloo

Candidate for Bachelor of Software Engineering - 3.9 cumulative GPA

April 2018

Dean's Honours List Rank 10th out of 120 in the class, 92% average

Relevant Projects Compiler and MVC card game written in C++, path-finding robot in Robot C

Interests

Participates in HackerRank and TopCoder; qualified for Google Code Jam 2015 and 2014. I love discovering new and interesting places with friends and family, and reading the latest articles, blog posts and books!