

Tim (Yu) Pei

timpeiyu@gmail.com

www.timpei.com

[www.github.com/timpei](https://github.com/timpei)

www.linkedin.com/in/timpei

EDUCATION

Business Administration and Computer Science Double Degree

University of Waterloo, Wilfrid Laurier University, Waterloo ON - 80% cul. avg - Graduation date: August 2016

SKILLS

- Software development: Java, Python, C++, Scheme
- Web development: HTML5, CSS3, JavaScript (Angular.js), PHP, SQL

EXPERIENCE

Bloomberg LP, London, United Kingdom

September - December 2015

Software Engineering Placement

- Created an abstraction of the Multi-Asset Risk System (MARS) to better target credit-based portfolios for Bloomberg Terminal clients (SQL, C++, Javascript)
- Developed a standard for creating reusable UI components in the MARS team by implementing data schemas and outlining example integration workflows (Javascript)

LinkedIn Corporation, Mountain View, California, USA

September - December 2014

Software Engineering Intern – Social Graph Team

- Maintained LinkedIn's distributed graph infrastructure that handles 100M queries/second (Java, Scala, Python) through benchmarking and retooling
- Expanded graph functionalities to support new node and edge types from data loading to creating API endpoints

LinkedIn Corporation, Mountain View, California, USA

January - April 2014

Software Engineering Intern – Search Team

- Created an analysis tool that generates samples from petabytes of search data and visualizes user search sessions for behavior research (Pig, Bash, Java, Python, Javascript, MongoDB)
- The tool was the primary data source for 2014 Search Failure Studies with the goal of predicting search intent

LogicBlox Inc., Atlanta, Georgia, USA

January - April 2013

Technology Intern

- Contributed to the development of LogiQL, a Datalog language, in the compiler team
- Built an shell and a unit testing service for LogiQL (Python), both tools deployed to clients
- Created a proof-of-concept spreadsheet web application with pivoting, schema changes, hierarchies, basic rules and simple entity resolution (Angular.js, LogiQL)

Pivotal Labs, Toronto, Ontario, Canada

May - August 2012

Software Engineer Intern

- Developed a web monitoring service using PHP and Java with sponsored startup, Verelo Inc.
- Integrated Selenium in Java, allowing clients to import and run Selenium tests remotely
- Optimized time and memory usage through profiling, improving production CPU usage by 30%

PROJECTS

SocialPouch (socialpouch.com)

- Lead a team of four in development; built app using HTML5, Angular.js, Node.js and MongoDB.
- Serving over 5000 unique users (2013) with events aggregated by custom-built crawlers

KikStart

- Won 1st place in KikCup hackathon hosted by Kik Interactive Inc. in Sep. 2013 (Angular.js, Node.js)
- Created a mobile web application for personal event planning that utilizes Kik's mobile framework

EXTRAS

I like to travel (20+ countries so far), exotic food, board games, movies and a variety of sports!