# Tim (Yu) Pei

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## 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++
- Web development: HTML5, CSS3, JavaScript (Angular), PHP, SQL

## EXPERIENCE

**Two Sigma Investments**, *New York*                                         **November 2016 - Present**
Software Engineer

**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)