

Zachary Elliott

Current Address: Philadelphia, PA

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EDUCATION

University of Pennsylvania, Philadelphia, PA

Expected Graduation May 2017

- School of Engineering and Applied Science: Bachelor of Science in Engineering, Computer and Information Science
- Wharton School: Bachelor of Science in Economics, Concentration in Statistics
- Cumulative GPA: 3.88/4.00
- Relevant Coursework: Data Structures and Algorithms, Database and Information Systems, Networks and Security, Computer Operating System, Probability, Statistical Inference, Stochastic Processes, Data Analysis and Statistical Computing

EXPERIENCE

Microsoft, Redmond, WA

May 2016 - Aug 2016

Software Engineering Intern

- Worked within Office on the DVX engineering team (Data Visualization Experience)
- Implemented PowerPoint animation logic for a subset of data visualizations
- Navigated Office's charting and graphics codebase and participated in the code review process

Socrata, Seattle, WA

May 2015 - Aug 2015

Software Engineering Intern

- Worked as front end engineer on Socrata's Data Lens visualization suite using Angular.js, Rx.js, and D3.js
- Planned iteration commits, contributed to feature estimation, and participated in bi-monthly retrospective meetings
- Analyzed app usage metrics and communicated with customer success managers to recommend product decisions

Formation | 8, San Francisco, CA

July 2014 - Sep 2014

Intern

- Developed proprietary reporting tool to manage portfolio data and financial metrics using MongoDB, Node.js/Express, and D3.js
- Conducted internal user research and lead project management system to quickly build application

Nebu LLC, Philadelphia PA

Apr 2014 - Sep 2014

Co-founder

- Lead front end development for two projects with nonprofit Thorn (<http://www.wearethorn.org>)
- Worked with Angular.js, D3.js, and other front end frameworks to design dashboards to visualize and analyze data

Junglr, Seattle, WA

Jan 2011 - Jan 2013

Founder

- Founded and led executive team of three to develop online question-answer application built on gamification framework
- Communicated in-person with press and venture capitalists to highlight Junglr's unique system of incentive-driven activity

TEACHING

JavaScript, CIS 197

Jan 2016 - Dec 2016

Teaching Assistant

- Graded weekly programming assignments for a combination of correctness and style
- Taught students JavaScript concepts, answered questions, and helped to debug code during weekly office hours

TECHNICAL SKILLS

- *Programming:* C++, JavaScript, Python, R, SQL, Sass/CSS, HTML
- *Frameworks:* React, Flux, Angular.js, D3.js, Node.js, Mocha, Rx.js, NumPy
- *Tools:* Git, AWS, Unix, Vim