

Zachary Elliott

Current Address: Philadelphia, PA

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EDUCATION

University of Pennsylvania, Philadelphia, PA Graduated 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 Aug 2017 - Current

Software Development Engineer

- Build an Office add-in embedded within Excel to help users analyze their data.
- Develop a web app add-in in React, Redux, and TypeScript, communicate with Excel with the Office.js API
- Use JavaScript tools and frameworks such as Node, Webpack, and Mocha to build, test and deploy the app

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 frontend engineer on Socrata's Data Lens visualization suite using Angular, RxJS, and D3.js
- Planned iteration commits, contributed to feature estimation, and participated in bi-monthly retrospective meetings

Formation | 8, San Francisco, CA July 2014 - Sep 2014

Intern

- Developed proprietary dashboard to manage portfolio data and financial metrics using MongoDB, Node, 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, D3.js, and other frontend frameworks to design dashboards to visualize and analyze data

TEACHING

JavaScript, CIS 197 Jan 2016 - May 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*: JavaScript, TypeScript, C++, R, Python, SQL, HTML/CSS
- *Frameworks*: React, Redux, Node, Office.js, Angular, jQuery, D3.js, RxJS, Mocha
- *Tools*: Git, AWS, Heroku, Eclipse, Vim, Unix, Windows