

Periscopic: Junior Developer and Data Scientist (October 2012 – Present)

- Front-end developer of bespoke data visualization software using HTML5 and related technologies
- Strong knowledge of Javascript, including many commonly-used libraries and frameworks
- Fully capable with the latest in HTML5 yet comfortable within the confines of legacy browsers
- Adept at switching to the back-end to add necessary functionality or databases
- Has built one back-end REST API and worked with many more
- Builds mobile-ready layouts and user interfaces
- Works closely with designers to deliver pixel-perfect implementations of visual design
- Regularly collaborates with other developers, comfortable as main project developer or in supplemental role
- During initial phases, conducts analysis and builds prototypes to aid conceptualization and design

Projects Completed:

- [A visualization of gun homicide data](#)
- [The stories of injured U.S. veterans and the time they spend waiting to receive medical care](#)
- [An interactive look at corporate responsibility campaigns at Adobe, inc](#)
- [A tool for viewing videos of interviews about the life and death of JFK](#)
- [The Beta version of a data-exploration tool that taps into a massive database of information about US Patents](#)
- Several prototypes and internal projects, as well as data exploration during design phase

Technical Proficiencies:

- Javascript (very strong), PHP (strong), Python (proficient), C/C++ (learning)
- Strong object-oriented programming skills, including common design patterns
- MySQL, HTML5, CSS3
- Most frequently used libraries: jQuery, Underscore, Backbone, RequireJS, EaselJS, d3

Mentor Graphics: Analyst, Sales Operations (May 2012 – September 2012)

- Produced detailed and thorough analysis of sales data for a global software company
- Work presented to company executives and president
- Recommendations changed revenue planning for multi-million dollar share of billion-dollar company

Reed College Economics Department: Research Assistant for Prof. Denise Hare (May – August 2011)

- Collaborated on a research paper which was then peer-reviewed and presented at an academic conference
- Responsible for statistical tests and modeling
- Authored section in paper covering data description and modeling technique

Reed College Economics Department: Teaching Assistant and Tutor (2011)

Reed College: Bachelor of Arts, Economics, 2012

- Thesis Title: "Fear and Fortune in the Political Economy of Civil War: Evidence from Ghana and Sierra Leone"

Southwest High School: International Baccalaureate Diploma

Relevant College Coursework

- Mandarin Chinese through third year: Became somewhat conversant
- Theory and Practice of Econometrics: Covered all standard model types, estimation procedures, and regression pathologies in cross-sectional, time-series, and panel data
- Macroeconomic Theory: Advanced economic modeling focused on growth, employment, and price level

Miscellaneous

- Twice commended by Reed College for academic excellence during a school year
- Passable French and a strong foundation in Chinese