# Logan Cooper

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## Skills

- JavaScript
  - React
  - Redux
  - D3
  - Node
  - Express
  - jQuery
- HTML 5
- CSS 3
  - SCSS
- Ruby
  - Ruby on Rails
- Python
- SQL

## Education

**UC Santa Cruz**
2012-2016
B.A. Global Economics
- Graduated with honors
- Capstone: Analyzed 250,000 points of Census data in Stata to estimate the economic returns of bilingualism to U.S. immigrants.

**App Academy**
2017
- Immersive 1000-hour full-stack web development program.
- Focus on Ruby, Rails, React, and TDD.

## Experience

**Forio** | 2018-Present | San Francisco, CA
Software Developer
- Collaborated with a team to produce frontends for six new simulations.
- Spearheaded an initiative to translate two of our most popular simulations into Spanish, Portuguese, Japanese, and Chinese.
- Implemented a file-managment and permissions frontend for our platform, Epicenter.
- Created a Node CLI to automatically generate boilerplate for new projects and React components, saving approximately one day of work per project.
- Contributed both bug fixes and new features to Forio's D3-based open-source data visualization library, Contour.

**Destination Analysts through Premier Staffing** | 2017 | San Francisco, CA
Temporary Research Analyst
- Improved analysis of 11,000 points of string data by visualizing data in Python.
- Provided editorial support for quantitative PowerPoint reports worth over $52,000 in revenue.

## Personal Projects

**Alchemy Chart** [PostgreSQL, Rails, React, Redux, Recharts]
Live | GitHub
*Data visualization app based off of Chartio allowing users to upload data and explore it with charts*
- Utilized Recharts' functionality along with Redux state management to allow for real-time data exploration.
- Wrote parsing function that uses regular expressions to differentiate between data types before piping data into Recharts.
- Constrained uploads by file type and size to prevent extraneous AJAX requests with bad data.

**The Price of War** [JavaScript, d3, Datamaps]
Live | GitHub
*Interactive map illustrating the United States' role in the global arms trade*
- Created a choropleth (a map showing different values in darker or lighter colors) on a logarithmic scale to illustrate international weapons flows.
- Extended Datamaps functionality with custom d3 and DOM event handlers to implement new interactive features.
- Ensured responsiveness and interactivity across a variety of screen sizes.