

# Logan Cooper

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## Skills

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

### **UC Santa Cruz**

B.A. Global Economics

- Graduated with honors
- Capstone: Used linear and logistic regression on 250,000 points of Census data to estimate the economic returns of bilingualism to U.S. immigrants.

### **App Academy**

2017

- Immersive web development bootcamp

## Experience

**Forio** | 2018-Present | San Francisco, CA

Software Developer

- Developed React frontends for six educational simulations collectively worth over \$990,000 in revenue.
- Spearheaded an initiative to translate two of our most popular simulations into Spanish, Portuguese, Japanese, and Chinese.
- Implemented a new file-management 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 cleaning and visualizing data in Python.
  - Provided editorial support for quantitative market research reports worth over \$52,000 in revenue.
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## 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.