

# Logan Cooper

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## Education

### Duke University

Aug 2021 – Jun 2023 (Expected)

#### M.S. Economics and Computation

Durham, North Carolina

- > Coursework in microeconomics and econometrics.

### University of California, Santa Cruz

Sep 2012 – Dec 2016

#### B.A. Global Economics

Santa Cruz, California

- > Graduated with Honors.
- > Earned a Certificate of Distinction in Research from my capstone project analyzing 250,000 points of U.S. Census data with linear and logistic regression to estimate economic returns to bilingualism for immigrants to the U.S.
- > Spent one year abroad in Berlin, Germany at the Freie Universität Berlin.

## Experience

### Federal Reserve Bank of San Francisco

Jul 2020 – Jul 2021

#### Application Developer

San Francisco, CA

- > Contributed new confidentiality features to the Statistics and Reserves team's data submission platform used by depository institutions.
- > Developed internal tool to convert a New York Fed database into a format the Fed's data submission platform can consume.
- > Awarded third place in an internal data science hackathon for building a dashboard for sentiment analysis on cryptocurrencies.

### Forio

Jan 2018 – Jun 2020

#### Software Engineer

San Francisco, CA

- > Developed React/Redux frontends for 9 educational simulations collectively worth over \$990,000 in revenue, including a public health policy simulator for the CDC.
- > Saved 8 to 16 hours of developer time per project while improving adherence to internal coding conventions by creating a Node script to auto-generate project and component.
- > Wrote a Node pipeline to validate and parse client-provided XML documents, then automatically deploy them, saving developers several hours of doing those steps by hand.

### Destination Analysts through Premier Staffing

Feb 2017 – Mar 2017

#### Temporary Research Analyst

San Francisco, CA

- > Facilitated analysis of 11,000 points of string data by cleaning and visualizing data in Python.

## Volunteering

**Code for SF: Stop COVID-19 SF Bay Area | [Live](#) - [GitHub](#) Mar 2020 – November 2020**

COVID-19 dashboard focusing specifically on data, news, and information relating to the S.F. Bay Area.

- > Wrote data scrapers in Python to gather COVID data from Bay Area counties' public health departments.
- > Assisted with code reviews, search engine optimization, and data visualization design.

## Projects

**Buck 65 Lyrics Analysis | [Live](#) - [GitHub](#) May 2021**

Analysis of rapper Buck 65's vocabulary with Jupyter and Pandas inspired by Matt Daniels' Raper Vocab Chart.

**Linear Regression API | [Live](#) - [GitHub](#) October 2019**

Simple linear regression API built with Python and hosted on AWS Lambda.

**The Price of War | [Live](#) - [GitHub](#) October 2017**

Interactive D3.js map illustrating the role of the US in the global arms trade with data from the Stockholm International Peace Research Institute's Arms Transfers Database.

## Skills

**Programming Languages:** JavaScript, Python, HTML5, CSS3, Stata

**Frameworks:** React, Redux, D3, Node, Flask, Pandas, SCSS

**Tools:** Git, Shell Scripting, AWS, LaTeX, Excel

**Certifications:** AWS Certified Cloud Practitioner

**Human Languages:** English (Native), German (B1)