Logan Cooper

LDTCoop@gmail.com · (323) 698-6487 · [Website](#) · [GitHub](#) · [LinkedIn](#)

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

> Gradated 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: Bay Area Relief Portal | In Progress – [GitHub](#)   **Sep 2020 – Present**

ortal that collects and organizes resources for small businesses to use during the pandemic.

> > Built a data pipeline to gather and store links to small business resources from social media sites including Twitter.

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

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)