

**Christopher Lee**  
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[Portfolio](#) | [GitHub](#)

## EDUCATION

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**Lambda School** August 2020 – March 2021  
*Data Science*

**University of California, Santa Barbara** August 2016 – June 2020  
*B.A, Economics*

## EXPERIENCE

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**Family Promise** Los Angeles, CA  
*Data Scientist* February 2021 – March 2021

- Spent one month working pro-bono for Family Promise, a non-profit homeless shelter
- Trained a random forest model predicting likely exit destinations of shelter guests
- Used FastAPI and AWS Elastic Beanstalk to build and deploy a REST API that serves predictions, Plot.ly data visualizations, and relevant KPIs to an analytics dashboard for the executive director
- Built ETL pipeline to migrate historical shelter data from Excel files into a PostgreSQL database

**Santa Barbara Film Festival** Santa Barbara, CA  
*Screenwriting Fellow* October 2019- January 2020

- Accepted into the SBFF's fellowship program, where screenwriters are paired with filmmakers to develop a short film from the ground up, which was eventually screened in the Santa Barbara Film Festival
- Pitched and workshopped numerous screenplay ideas live in front of a panel of Hollywood screenwriters

**UCSB Economic Forecast Project** Santa Barbara, CA  
*Research Assistant* August 2017- August 2018

- Used R to compile, process, and clean a variety of economic data on Santa Barbara county
- Created data visualizations of environmental, real estate, and employment statistics in Santa Barbara county
- Wrote and published reports communicating my research, which was used in a conference attended by local business and political leaders

## PROJECTS

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**Polyscribe** (Javascript, HTML, CSS, Python, FastAPI, Streamlit)

- A chrome extension for extracting the transcript from Youtube videos. The user can select any part of the transcript and copy it to the clipboard, which automatically appends a source link that's timestamped to the selected text. Also includes a feature for searching the transcript, with each search result displayed along with a bit of surrounding context. If the user desires more context for a particular search result, they can use the mouse to scroll, expanding or shrinking the surrounding context as needed.

**Bravo** (Javascript, HTML, CSS)

- A chrome extension for managing your tabs across all your open windows. Quickly search through your tab titles and URLs as you type, with keyboard navigation to cycle through results and to switch to the selected tab

**Covid Cases** (Python, Pandas, Streamlit)

- A global, interactive dashboard of Covid-19 daily new cases and other related metrics. Includes a choropleth map of the most recently reported numbers of daily new cases for each country, making detection of regional hotspots much easier. Built with Streamlit.

**Airbnb Predictor** (Python, Flask)

- A Flask web app that generates predictions of the optimal rate Airbnb hosts should set for their listings based on the attributes of their listing. My job on the team was to integrate the machine learning model into the flask app, processing and passing the feature data into the model and displaying the model's prediction to the frontend.

## SKILLS AND INTERESTS

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**Programming:** Python, Javascript, HTML, CSS

**Libraries, Frameworks, & Technologies:** Vue.js, Pandas, Flask, FastAPI, Streamlit, SQL, Numpy, AWS EC2

**Interests:** Long distance running, cartography, piano, Papa Johns pizza