

Entry-Level Data Analytics Professional with an interdisciplinary mindset. I have experience in the implementation of models to interpret data including techniques in Machine Learning. Business development and operations oriented.

## EDUCATION

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**University of California, Davis** | Bachelor of Science in Applied Mathematics December 2022

- Mathematics of SVD, Optimization, LU and QR decompositions with applications.
- Implementation of Polynomial Linear Regression, Logistic Regression, PCA, SVM-classification, K-means clustering, and Neural Networks.

## SKILLS

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- **Programming languages:** C++, Python (Numpy, Pandas, Matplotlib, Plotly), MATLAB
- **Operating systems:** Windows, Linux
- **Software tools:** Git/GitHub, LaTeX, Excel, PowerPoint

## EXPERIENCE

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**Cell2Fire** | Summer 2021 – Spring 2022

Working on an open-source forest fire growth model predictor. Making improvements to functionality and usability using Python. Detailing instructions with the Sphinx documentation generator to facilitate access to visualization tools.

**Directed Reading Program** | Winter 2021

Weekly mentor-guided independent study of nonlinear dynamics. Readings from Strogatz's Nonlinear Dynamics and Chaos. Applied numerical models in MATLAB and presented on fixed-point numerical methods to peers and mentors in the program.

**Hack for California** | Fall 2020

Civic minded data science design. Using open-source tools in GitHub, setting up environment and establishing collaboration with the UC Davis Center for Regional Change to assist with gentrification data analysis.

**Coursera** | Fall 2019

Machine Learning Certificate. 3 Month course on Machine Learning fundamentals. Built gradient descent optimization models for linear regression and classification in MATLAB.

**Mathematics Tutor** | 3/2020 – 8/2020

Developed lessons and tutored children and adults in mathematics. Helping in preparation for GED and GRE testing in-person and remotely.

**Bridges BioMed Internship** | Summer 2018

Hands-on approach to the study of biomedical research at San Francisco State University. Conducting lab procedures and collecting data from trials to produce graphic charts and graphs for analysis. Presented research findings at a university-wide poster symposium event.

**Toastmasters** | 8/2018 - 1/2019

Conducted speeches to a group of 12-15 attendees, evaluated speeches, and planned and lead time-sensitive 1.5 hr. meetings as a member of Spanish Bilingual SF Toastmasters club.

## WORK HISTORY

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Driver	Davis Community Transit	Davis, CA	3/2022 – 10/2022
Shuttle Driver	San Francisco Helicopters	San Francisco, CA	2015 – 2020
Program Assistant	Fam. Unidas: Latino Resource Cent.	Everett, WA	2009-2011