

Atherv Gole

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EDUCATION

UC Santa Barbara | Statistics and Data Science | 3.53 GPA Fall 2018 - 2022 Expected

- Dean's Honors - Fall & Spring 2019, Spring 2020
- President, UC Santa Cruz Music Production Club (2018 - 2021)

WORK EXPERIENCE

Data Analytics Intern May 2021 - Present
Atomica | Goleta, CA

- Designed, built, and maintained Python based data dashboards with live updating and various visualizations
- Built and deployed Ubuntu Linux server to host dashboard web page on company network for use by lab technicians
- Created reports, built and maintained manufacturing and safety dashboards in Power BI

IT Intern September 2020 - May 2021
Atomica (Formerly IMT) | Goleta, CA

- Intern under IT directors, provided support for cleanroom tools (network connectivity, application support) involved in onboarding and transition process for new hires interim and new IT directors
- Provided interim technical support for technicians and corporate between the hiring process of two temporary and one full time IT director

Research Assistant - Statistical Analysis April 2021 - Present
UCSB Clean Energy Transformation Lab | Santa Barbara, CA

- Currently working on statistical analysis at UCSB CET Lab for a project focused on studying equity/underserved areas in public sector clean energy programs, based on CEDARS and California Census data.
- Using R to perform multivariate regressions, model validation, visualization, and hypothesis testing
- Using Python to build data storage and automated access for analysis done in land use energy efficiency study

Group Tutor September 2021 - Present
UCSB Campus Learning Assistance Services | Santa Barbara, CA

- Statistics and Economics group tutor incoming for 2021-2022 academic year

MSI & Accommodations Tutor September 2019 - June 2020
UCSC Learning Support Services | Santa Cruz, CA

- Group session tutor for large lecture courses including Programming Abstractions in Python, Intro to Python, Financial Accounting, Managerial Accounting, and Statistics

PROJECTS & SKILLS

Live Manufacturing and Safety Dashboards | Intern Project

- Wrote multi-page Python web application with Plotly Dash to host live manufacturing and safety data dashboards
- Included auto and scheduled refresh features through querying SQL servers and third party REST API's as needed
- Set up and configured Ubuntu server PC to host dashboards network wide, integrated by manufacturing director onto MES software for use on all technician PC's in lab and clean room

"Causal Effects of 'Get Out the Vote' using Selection On Observables..." | Econometrics Course Paper

- Used U.S. public voter records to analyze effectiveness of 'Get Out the Vote' voter outreach initiative during the 2000 election cycle, with instrumental variables approach to estimate causal effect
- Utilized STATA statistical analysis software to generate figures and perform multivariate multiple degree regressions

WavTagger | Audio File Manager - Desktop Application

- Built audio file manager using Electron JS Framework with Javascript (Node JS), HTML, CSS (Bootstrap)
- Implemented features including direct drag and drop to audio editing software, custom tagging and categorizing, search, and in app playing/auditioning of samples

Skills - Python, SQL, R, Javascript, Node/JS, Java, HTML, CSS | Microsoft Office/Google Suite(Excel, Sheets, etc) | Financial/Managerial Accounting (Acc/Rec, etc.) | Data Analysis and Modeling Software (Stata, SAS) | JIRA, Git, Jupyter