

Connor Lydon
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[LinkedIn](#) | [github](#) | [Portfolio](#)

EDUCATION:

Chapman University – *Fowler School of Engineering, Argyros School of Business & Economics*, Orange, CA
Bachelors of Science in Data Analytics & Business Economics **May 2022**
3.83 GPA

Courses: Data Structures & Algorithms, Relational Databases, Machine Learning, Data Science, Econometrics, Cybersecurity, and Production & Operations Management

SKILLS

Python	R	SQL	Data Visualization
AWS	C++	Jenkins	Tableau
Java	Geospatial Data	Automated Pipelines	Linux/Unix

WORK EXPERIENCE

Undergraduate Research Assistant (Data Engineering Intern)

Hersh Lab - Chapman University

May 2021 - Present

- Collaborated with the World Bank on humanitarian data contracts and utilized an auto-encoder to create user guided vulnerability index
- Created sections of a raw data pipeline, to download, transform and convert, then upload data in R.
- Developed Togo suggestion citizen registration sites based on population, connectivity, & building availability
- Maintained and updated existing S3 instance and data infrastructure using GET APIs and AWS S3 Python tools
- Implemented Google Earth API to sub-select and clean data into our AWS server

Sales Associate

La Dolce Velo Bike Shop - San Jose, California

Summers of 2019 & 2020

- Generated \$110,000 in sales, \$48,000 in profit resulting in a 43.6% profit margin, above the shop's 36% profit margin.
- Analyzed product category demand and preference using point-of-sale system
- Advised customers and coworkers on customized bike builds

PERSONAL PROJECTS

MYSQL Server Interface

- Developed platform to interact with a SQL server hosted through Google Cloud Platform.
 - This application used the MYSQL Connector Python package to build queries with placeholders with user input
- Managed magazine data such as subscriptions, payments and publishers

Customer Segmentation Analysis

- Harnessed Census data to predict defaults using Python
- Constructed models off of distinct clusters of people to make accuracy and precision less variable
- Utilized principle component analysis (PCA) to analyze what variables influenced the largest differences between them
- Used LASSO model to estimate Income from subset of census variables

ECOS Soap (Github link enclosed)

- Investigated alternative solid soaps and scrubbing apparatus as part of a corporate sponsored project
- Organized data collection and used both survey and quantitative (lab weight) data to build compelling visualizations

LEADERSHIP & VOLUNTEER EXPERIENCE

Member

Fall 2020 - Present

Data Analytics Association

- Participated in biweekly meetings with other data to explore and discuss data science techniques, such as value analyses, removed value analyses and how they affect a certain model

Adult Leader

4-H Youth Development Program

Summers of 2016 - Present

- Mentored youth through market sheep project and supported them throughout our local county fair
- Lead and organized weekly meetings with youth members
- Facilitated conflict resolution between both adult volunteers and youth members