

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

## EDUCATION:

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Chapman University – Fowler School of Engineering, Argyros School of Business & Economics, Orange, CA  
**Bachelor of Science in Data Analytics** **May 2022**  
**Bachelor of Science in Business Economics** 3.83 GPA  
Computer Science & Business Courses: Data Structures & Algorithms, Relational Databases, Machine Learning, Data Science, Econometrics, Cybersecurity, and Production & Operations Management.

## WORK EXPERIENCE

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### Undergraduate Research Assistant (Data Engineering Intern)

*Hersh Lab - Chapman University* May 2021 - Present

- Lab focus on Humanitarian data contracts for the World Bank
  - World Bank data project to use Auto-encoder to create user guided vulnerability index.
- Worked on creating parts of a raw data pipeline, to download, transform and convert, then upload data in R.
- Additional project for Togo suggestion citizen registration sites based on population, connectivity, & building availability.
- Utilized AWS S3 storage and Python API to automatically store scraped data.
- Used tools such as GET APIs and AWS S3 Python over the 2 month summer sprint. These were used to programmatically upload data into the team's S3 instance and maintained existing data infrastructure.
- Worked using 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.
- Worked directly with customers and coworkers on customized bike builds

## LEADERSHIP & VOLUNTEER EXPERIENCE

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### Member

*Data Analytics Association* Fall 2020 - Present

- Attended biweekly meetings to meet and collaborate with likeminded individuals to further expand knowledge in data science and thinking more broadly about new techniques such as doing missing and removed value analyses and how they affect a certain model.

### Adult Leader

*4-H Youth Development Program* Summers of 2016 - Present

- Organized youth for weekly meetings and communicated via GroupMe
- Conflict resolution between members and parents as Adult Leader
- Mentored youth to properly raise and show market lambs and organized attendance at county fair.

## PERSONAL PROJECTS

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### MYSQL Server Interface

- Created a 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 using user input.
- Managed magazine data such as subscriptions, payments, publishers, & specific magazines.

### Customer Segmentation Analysis

- Utilizing Census data to predict defaults using Python.
- Building models off of distinct clusters of people to make accuracy and precision less variable.
- Used PCA to analyze what variables influenced the largest differences between them
- Finding most impactful variables to reveal insights in the data.

### ECOS Soap (Github link enclosed)

- Corporate sponsored project investigating alternative solid soaps and alternative scrubbing apparatus.
- Organized data collection and used both survey and quantitative (lab weight) data to build compelling visualizations.

## SKILLS

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Python	R	SQL	Project Management
Data Visualization	AWS	C++	Communication
Jenkins	Tableau	Java	Teamwork
Geospatial Data	Automated Pipelines	Linux/Unix	Data analysis

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