

## ACADEMICS

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UC San Diego - La Jolla, 2017-21

- GPA: 3.93, Provost Honors
- B.S. in Data Science, Minor in Business
- Relevant Coursework: *Theory of Data Science* (incl. Graph Theory and Clustering), *Data Structures & Algorithms*, *Discrete Math*, *Probability*, *Mathematical Statistics*, *Product Management & Marketing*

## EXPERIENCE

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Graph Theory and Statistics **Research Assistant** at **UC San Diego** - UC San Diego, 2019

- Developing statistical approaches for describing mathematical graphs based on a sample
- Researching the bias of feature estimates, using various sampling schemes and graph assumptions

Undergraduate **Research Fellow** at the **Halicioğlu Data Science Institute** - UC San Diego, 2018-19

- Leading a team of three other undergrads as a project manager and full-stack developer
- Designing and implementing a Python-based web app to generate healthy grocery lists
- Scraping grocery store inventories and nutrition facts, and utilizing a scalable PostgreSQL database
- Optimizing cost and nutritional values using linear programming
- Researching recommender systems, algorithm scalability, data cleaning and pre-processing
- Generating a realistic test data set to verify the efficacy of our algorithms

**Instructional Assistant** and **Discussion Leader** at **UC San Diego** for DSC 10 - UC San Diego, 2018

- Developed notebooks and lead discussion sections; see [ucsd-ets/dsc10-fa18/Discussions](#) on GitHub
- Tutored students in one-on-one settings and group settings during weekly office hours
- Created, revised, and graded homework, lab assignments, and tests
- Proctored exams, organized course resources, contributed to GitHub repos

**Machine Learning Engineer** at **Sapie Space** startup - La Jolla, 2018

- Contributed to a recommender system to match clients with social media micro-influencers
- Implemented Eclat algorithm, crawled webpages, utilized API's, cleaned data sets, extracted and engineered features related to social influence
- Researched math behind social influence mining, social graph theory, association rule learning

**Participant** in **ASA DataFest** at Chapman University - Orange County, 2018

- Developed a ranking system using feature extraction to recommend the most opportune cities based on a desired job industry
- Aggregated data from multiple sources, cleaned and canonicalized data where necessary
- Pitched our idea to a panel of judges; our team represented UC San Diego

**Data Analyst** for **SommSelect Inc.** - Napa, 2017

- Crunched large databases of wine offers to highlight highest profitability
- Communicated with executives to determine exact needs

## ABILITIES

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### Tech Savvy

- Proficient in **Python**; comfortable with JavaScript, HTML, CSS, SQL, RStudio, Java; capable learner
- Python packages: *pandas*, *NumPy*, *matplotlib*, *scikit-learn*, *SciPy*, *Keras*, *PyTorch*, *Flask*, *Selenium*, *BeautifulSoup4*, *NetworkX*, *Psycogp2*, *SQLite3*, *Boto3*, *PuLP*; familiar with parsing documentation
- This year: getting my hands dirty with Deep Learning, AWS technologies, and Web Development

### Creative Spark

- Enjoy **thinking critically** about problems and potential solutions
- Open minded, enjoy diverse viewpoints and taking on new challenges

### People Skills

- Good at **learning, teaching, and engaging** in productive conversations
- Active team member, even when assuming a management role
- Appropriately leverage multiple perspectives to tackle problems and communicate effectively