

CAMILLE DUNNING

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EXPERIENCE

Software Engineering Intern

BlackRock

📅 June 2021 – August 2021 📍 San Francisco, CA

- Internship for college juniors and seniors, accepted as a sophomore
- Building prototype for a cloud data warehouse in Snowflake and integrating with reporting systems
- Tech stack: Java, SQL, Spring Framework, Spring Boot, Apache Camel (integration), Apache Ignite, Apache Spark, JMeter.

Co-Founder and CTO

Cluvii

📅 June 2021 - Present 📍 San Diego, CA

- Serving as core backend (Django REST framework) and AI (recommendation systems) developer to up-and-coming mobile app
- Devising marketing and design strategies
- Incubator track in the UC San Diego Basement

Open Source Developer

Tangible AI

📅 March 2021 - Present 📍 San Diego, CA

- Contributing to the Python chatbot framework, qary, by merging linear conversations into a single graph structure based on intent.
- Listed as a contributing author to *NLP in Action, 2nd Edition*.

Data Science Intern

Blooma, Inc.

📅 November 2020 - April 2021 📍 San Diego, CA

- Built a machine learning pipeline and FastAPI from scratch to extract key information from rent roll documents.
- Reduced time for data labeling and processing procedures from weeks to seconds.

Data Science Intern

Scripps Research Translational Institute

📅 May 2020 - August 2020 📍 San Diego, CA

- Supervised by Professor Giorgio Quer, used signal dynamics methods such as cross-correlation to prove that trends of one vital function can be predicted from that of another.
- Solo paper published on ArXiv.

TECHNICAL SKILLS

Python, Java, SQL, JavaScript, MATLAB, Scala, GCP, AWS Sagemaker, Jupyter, Google Colab, Git, Firebase, Pytorch, Tensorflow, React, Flask, Streamlit, Dask, Apache Frameworks, Snowflake, DigitalOcean, Django, Django REST Framework

EDUCATION

B.S. in Data Science, Minor in Mathematics)

University of California, San Diego

📅 September 2019 - December 2022

- Co-director (2020-2021) and Tech Lead (2021-2022) of Data Science Student Society Online Content Committee
- Technical Chair at Entrepreneurs' Club at UCSD
- Complex systems researcher at UCSD Calit2 division of Qualcomm Institute and core developer of their College Return on Investment app
- Developed deep Q-network for UCSD IEEE's F1Tenth robotics competition entry

ACHIEVEMENTS

- 1st place in DataHacks 2021 with project "Evaluating the Long-Term Memory Approach to Modeling Stock Data"
- One of two recipients of the competitive \$10,000 HDSI Industry-Sponsored Scholarship, offered deep learning internship at BD (rescinded due to COVID-19)
- One of 20 recipients of the competitive \$2,500 HDSI Undergraduate Research Scholarship
- Data Science Alliance Data Visualization Competition winner
- 2nd Place in Kaggle competition for DSC 190 Introduction to Data Mining

PROJECTS

Adaptive Group Testing with Reinforcement Learning

- Project among 20 to be rewarded \$2,500 for ongoing efforts, supervised by Professor Tara Javidi.
- Developing RL policy network scheme to select measurement vectors that will efficiently describe an unknown binary with a small number of measurements.

Sigmat

- Implementation of my team's paper, "Quantifying the Effects of the 2008 Recession Using the Zillow Dataset", published on ArXiv; package has 1,000 downloads on PiPy.

User Creation Bash Script Generator (2017)

- Developed a jQuery application for the City of Belmont IT Department to streamline user entry into the Belmont PD database