

# CAMILLE DUNNING

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[G https://github.com/camille-004](https://github.com/camille-004)

## EXPERIENCE

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### 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.

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### 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

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### 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*.

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### 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.

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### 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

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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

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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

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- 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

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### 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