

## EDUCATION

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- **University of California** Berkeley, CA  
*Bachelors of Arts in Data Science and Cognitive Science; GPA: 3.22* *Graduation: May 2020*

## EXPERIENCE

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- **Berkeley Wireless Research Center** Berkeley, CA  
*System Administrator Intern* *Oct 2018 - Present*
  - **System Backup:** Perform daily backup operations, ensure all required file systems and systems data are successfully backed-up to the appropriate media, recovery tapes or disks are created, and media is managed in accordance with established best practices.
  - **Server Software Monitoring:** Perform monitoring software administration using Ganglia and Nagios.
  - **Virtual Host:** Installs, configures, and manages Apache virtual hosts and web services using Puppet modules in a LINUX Environment.
- **Nomsis** Walnut Creek, CA  
*Web Developer Intern* *Aug 2017 - Dec 2017*
  - **Front-End:** Performed programmer and developer tasks for front end in HTML and CSS
  - **Back-End:** Shadowed in detailed programming for challenging back-end server code in JavaScript
- **Lucena Research** Atlanta, GA  
*Data Scientist* *Summer 2012 and 2013*
  - **Portfolio Management:** Created models for portfolio hedging, portfolio optimization and price forecasting. Also creating a strategy backtesting engine used for simulating and backtesting strategies.
  - **QuantDesk:** Python backend for a web application used by hedge fund managers for portfolio management.
- **Georgia Institute of Technology** Atlanta, CA  
*Research and Teaching Assistant* *Jan 2012 - Dec 2013*
  - **Research Assistant - Machine Learning:** Research on machine learning for portfolio hedging and replication algorithms. Modeling low-risk & continuous-return strategies. Developed the python library QSTK.
  - **Teaching Assistant - Computational Investing:** The online course on Coursera, had more than 100,000 students enrolled. It was featured on the 11 Alive News and the Atlanta Journal Constitution. Involved in creating assignment, exams and conducting recitation sessions. Also taught the on-campus version of the course.

## PROJECTS

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- **Trash Recognition Neural Network:** Open source python library for financial data analysis and machine learning for finance.
- **Chatbot:** Data Visualization of Git Log data using D3 to analyze project trends over time.
- **Music Recommendation System:** Music and Movie recommended systems using collaborative filtering on public datasets.
- **Sport Analytic Visualization:** using PANDAS and PYTHON