

# John Dang

johndang.me

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## EDUCATION

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- **University of California, Los Angeles** Los Angeles, CA  
*Bachelor of Science in Computer Science; Achievement Scholarship Recipient* Sep. 2018 – Jun. 2022
  - **Relevant Coursework:** Algorithms and Complexity, Data Structures and Algorithms, Proof-based Probability Theory, Linear Algebra, Multivariate Calculus, Software Construction, Research, Statistical Reasoning
  - **Student Organizations:** Association for Computing Machinery (AI Projects Officer), DataRes (Lead Project Manager)

## EXPERIENCE

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- **Center for Vision Cognition Learning and Autonomy (VCLA)** UCLA CS and Stats Department  
*Research Intern* May 2019 - Present
  - **Research:** reinforcement learning and casual learning in collaboration with Mark Edmonds and Xu Xie.
  - **VRGym:** Developing a platform for physical and interactive AI/robotics research in realistic 3D-environments.
- **Sike AI (sikeinsights.com)** Los Angeles, CA  
*Deep Learning Engineer* Oct 2018 - Present
  - **Background:** Sike is an enterprise software company. We are backed by the Anderson Venture Accelerator.
  - **Personality Trait Extraction:** Developed core deep learning models for five-factor OCEAN personality trait extraction from text, audio, and video.
  - **Software and Data Engineering:** Dataduct an open source workflow framework to create and manage data pipelines leveraging reusable patterns to expedite developer productivity.
- **Ozcan Research Group** UCLA ECE Department  
*Machine Learning Researcher* Oct 2018 - Jun 2019
  - **Research Project:** Howard Hughes Medical Institute project for machine learning enabled mobile microscopy.
  - **QuantDesk:** Python backend for a web application used by hedge fund managers for portfolio management.
- **Logos** Los Angeles, CA  
*Software Engineering Intern* Oct 2018 - Dec 2018
  - **iOS App Development:** Developed iOS app for a crowd-sourced news platform in Swift.
  - **Highlighting Social Feature:** Developed social feature that enabled users to highlight specific lines in articles for interaction with other users.
  - **Database Development:** Restructure Firebase database and rewrote NodeJS back-end data processing functions that enabled faster app loading and performance.

## PROJECTS

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- **QuantSoftware Toolkit:** Open source python library for financial data analysis and machine learning for finance.
- **Github Visualization:** Data Visualization of Git Log data using D3 to analyze project trends over time.

## SKILLS

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- **Languages:** Python, C++, C, Java, Javascript, Bash, Swift, HTML, CSS
- **Machine Learning / Data Science:** Tensorflow, Keras, Numpy, Pandas, Jupyter, SQL, Firebase
- **Amazon Web Services:** Elastic Compute Cloud, Simple Storage Service, Relational Database Service, Elastic Beanstalk
- **Other Technologies:** Git, Github, Docker, LaTeX, Google Cloud Platform APIs, Microsoft Azure Cognitive Services APIs, Linux, MacOS, Windows