

John Dang

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EDUCATION

- **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 Officer), DataRes (Project Manager)

EXPERIENCE

- **Center for Vision Cognition Learning and Autonomy (VCLA)** UCLA CS and Stats Department
Research Intern May 2019 - Present
 - Researching reinforcement learning and casual transfer learning including applications in robotics
 - Developing VRGym, a platform for physical and interactive AI/robotics research. VRGym enables reinforcement learning research in physically and visually realistic 3D environments.
- **Sike AI (sikeinsights.com)** Los Angeles, CA
Deep Learning Engineer Oct 2018 - Present
 - Developed core deep learning models for five-factor OCEAN personality trait extraction from text, audio, and video. On average, my model accurately predicts personality scores within 0.015 (Each personality trait is a real number between 0 and 1.0).
 - Built data infrastructure. Setup data ingestion and processing on AWS EC2, S3, and RDS. Ran distributed deep learning model training across multiple GPUs.
 - Deployed Tensorflow deep learning model on Flask server for use with all Sike products on AWS EBS. Deep learning model is used to provide companies insights to their employees, enabling managers to better onboard and work with new hires.
- **Ozcan Research Group (org.ee.ucla.edu)** UCLA ECE Department
Machine Learning Researcher (Howard Hughes Medical Institute Project) Oct 2018 - Jun 2019
 - Developed convolutional neural network for accurate and efficient protein particle analysis used for disease diagnosis. Model can perform inference in 0.2 seconds per image on a Raspberry Pi.
 - Presented work at Howard Hughes Medical Institute Undergraduate Research Conference.
- **Logos (logosnews.tech)** Los Angeles, CA
Software Engineering Intern Oct 2018 - Dec 2018
 - Developed iOS app for a new crowd-sourced and personalized news platform in Swift.
 - Developed feature enabling users to highlight lines in articles for social interaction with other users.
 - Restructured Firebase database and rewrote NodeJS back-end data processing Google Cloud functions enabling faster app loading and performance.

SKILLS

- **Languages:** Python, C++, C, Java, Javascript, Bash, Octave, Matlab, Swift, HTML, CSS
- **Machine Learning / Data Science:** Tensorflow, Keras, Numpy, Pandas, Jupyter, SQL, Firebase
- **Amazon Web Services:** EC2, S3, RDS, EBS
- **Other Technologies:** Git, Github, Docker, LaTeX, Google Cloud Platform, Microsoft Azure