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 Strucrtures and Algorithms, Proof-based Probability Theory, Linear Algerbra, Multivariate Calculus, Software Construction, Research, Statistical Reasoning
  - **Student Organizations**: Association for Computing Machinery (AI Projects Officer), DataRes (Lead 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 learning in collboration with Mark Edmonds and Xu Xie.
  - Developing VRGym, a platform for physical and interative AI/robotics research in realistic 3D environments.

- **Sike AI (sikeinsights.com)** — Los Angeles, CA

  Deep Learning Engineer — *Oct 2018 - Present*
  - Sike is an enterprise software company. We are backed by the Anderson Venture Accelerator.
  - 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 procressing on AWS EC2, S3, and RDS. Ran distibuted deep learning training across multiple GPUs.
  - Deployed Tensorflow deep learning model on Flask server for use with all Sike products on AWS EBS.

- **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.

- **Logos** — Los Angeles, CA

  Software Engineering Intern — *Oct 2018 - Dec 2018*
  - **iOS App Development**: Developed iOS app for a new crowd-sourced and personalized 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**: Restructured Firebase database and rewrote NodeJS back-end data processing functions that enabled faster app loading and performance.

SKILLS

- **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

PROJECTS

- **Sincerely AI**: Trained deep learning model that accurately classifies text as sincere or insincere on Quora insincere questions dataset.
- **Github Visualization**: Data Visualization of Git Log data using D3 to analyze project trends over time.