David Yan

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Alameda, CA 94502

908.347.6839
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Research Interests

Robotics; particularly in automation, robustness, safety, implementation, and application

Work Experience

UC Berkeley / Research Engineer

April 2020 - December 2020 — Berkeley, CA
- OpenGo Attack: Exploits in Deep Reinforcement Learning
- Data Driven Discovery: Evaluating AutoML
- HiveMind: Federated Learning on Oasis Labs
- Android Malware Detection

Oasis Labs Inc. / Software Engineer

May 2018 - Present — San Francisco, CA
- Sterling: A Privacy Preserving Data Marketplace
- Oasis Labs Dashboard
- Oasis Labs Ledger Wallet Application

Google / Software Engineering Intern

May 2017 - August 2017 — Palo Alto, CA
- Google Hire auto-complete
- MapReduce pipeline

Aporeto Inc. / Software Engineering Intern

May 2016 - August 2016 — San Jose, CA
- Syscall logger
- QA framework

Infinite Uptime / Research Assistant

January 2016 - May 2016 — Berkeley, CA

State Street Co. / Information Technology Intern

May 14 - August 14 — Princeton Jct, NJ

Education

University of California, Berkeley

Cum Laude with a BS in Electrical Engineering and Computer Science

August 2014 - May 2018 — Berkeley, CA

Honors

Eta Kappa Nu
Electrical Engineering and Computer Science Honors Society
Lifetime Member

University of California, Berkeley Honors
Electrical Engineering and Computer Science Honors Society
2014-2018

Publications

Nick Hynes, David Dao, **David Yan**, Raymond Cheng, Dawn Song. **A Demonstration of Sterling: A Privacy-Preserving Data Marketplace.** Proceedings of the VLDB Endowment, Vol. 11, Iss. 12, 2018

Rajvardhan Oak, Min Du, **David Yan**, Harshvardham Takawale, Idan Amit. **Malware Detection on Highly Imbalanced Data through Sequence Modeling.** Proceedings of the 12th ACM Workshop on Artificial Intelligence and Security, 2019

Mitar Milutinovic, Brandon Schoenfeld, Diego Martinez-Garcia, Saswati Ray, Sujen Shah, **David Yan. On Evaluation of AutoML Systems.** Proceedings of the 7th ICML Workshop on Automated Machine Learning, 2020

Teaching

University of San Francisco / Adjunct Professor
January 2020 - May 2020   San Francisco, CA

Breakout Mentors / Tutor
January 2017 - January 2018   Berkeley, CA