

# Andy Zou

510-993-5205 | andyzou\_jiaming@berkeley.edu | 1797 Shattuck Avenue, Berkeley, CA 94709

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## EDUCATION

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### University of California, Berkeley

Berkeley, CA

4TH YEAR M.S. ELECTRICAL ENGINEERING AND COMPUTER SCIENCE

Aug 2021 - May 2022

B.A. COMPUTER SCIENCE AND APPLIED MATHEMATICS

Aug 2018 - May 2021

- GPA: 4.00, Highest Distinction
- Graduate coursework: Computer Vision, Deep RL, Natural Language Processing, Statistics Learning Theory
- Undergrad coursework: Machine Learning, Probability Theory, Optimization, Algorithms, Analysis, Linear Algebra

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## EXPERIENCE

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### Berkeley AI Research Lab

Berkeley, CA

RESEARCHER (advised by Dawn Song, Jacob Steinhardt)

Feb 2020 - Present

#### Forecasting Future World Events with Neural Networks

A. Zou, R. Li, D. Song, J. Steinhardt, O. Evans, D. Hendrycks

#### PixMix: Dreamlike Pictures Comprehensively Improve Safety Measures

D. Hendrycks\*, A. Zou\*, M. Mazeika, L. Tang, B. Li, D. Song, J. Steinhardt. *NIPS Workshop 2021, CVPR 2022 submission*, [arXiv](#)

#### How Would The Viewer Feel? Estimating Wellbeing From Video Scenarios

D. Hendrycks, M. Mazeika, E. Tang, A. Zou, J. Li, D. Song, J. Steinhardt. *CVPR 2022 submission*

#### Scaling Out-of-Distribution Detection for Real-World Settings

D. Hendrycks\*, S. Basart\*, M. Mazeika, A. Zou, J. Kwon, M. Mostajabi, J. Steinhardt, D. Song. *ICLR 2022 submission*

#### What Would Jiminy Cricket Do? Towards Agents That Behave Morally

D. Hendrycks\*, M. Mazeika\*, A. Zou, S. Patel, C. Zhu, J. Navarro, B. Li, D. Song, J. Steinhardt. *NIPS 2021*, [arXiv](#)

#### Measuring Massive Multitask Language Understanding

D. Hendrycks, C. Burns, S. Basart, A. Zou, M. Mazeika, D. Song, J. Steinhardt. *ICLR 2021*, [arXiv](#)

### UCB Haas

Berkeley, CA

RA (advised by Anastassia Fedyk, James Hodson)

Sep 2019 - Feb 2021

- Develop industrial-strength NLP library that highly reduces training time and cost
- Use statistical and optimization tools to implement fast and robust feature ranking
- Analyze employment and news data in hundreds of gigabytes

### Whitney Lab for Perception

Berkeley, CA

RA (under David Whitney, Mandy Chen)

Sep 2018 - Feb 2020

- Experimentally proved contextual information significant in emotion recognition tasks
- Analyzed eye-tracking data and visualized localization in cortex activations using Topographical Component Analysis

### Financial Market Research

Mountain View, CA

QR TEAM LEAD

Jun 2018 - Present

- Solved model bottleneck with Transformer architecture and hierarchical/curriculum learning
- Build a bot that gathers market data and executes custom strategies in real-time

### Invensta (<https://www.hiddenunderground.com/>)

Mountain View, CA

FULL STACK ENGINEER

Jun 2019 - Feb 2020

- Built website from scratch to successful initial release
- Proposed a new backend system to better handle business accounts, largely improving scalability and UX

### eHealth (NASDAQ: EHTH)

Mountain View, CA

FULL STACK ENGINEERING INTERN

Jun 2019 - Aug 2019

- Built landing pages with highly interactive and adaptive content, connected to SQL database

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## ADDITIONAL

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**Honors:** Stanford Existential Risks Initiative (SERI) Fellowship || Cal Alumni Association Leadership Award || Kraft Award

**Interests:** Drumming, bass, music production || soccer, skiing, table tennis (<https://goo.gl/ynGr3u>)