Andrew Ehrenberg

CONTACT

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EDUCATION

University College London Sep. 2020 - Sep. 2021
M.S. in Machine Learning
- Anticipated Coursework - Deep Learning, Reinforcement Learning, NLP, Graphical Models, Robot Vision and Navigation, Multi-agent Systems, Statistical Learning Theory

University of California, Los Angeles Sep. 2016 - Jun. 2020
B.S. in Statistics, Minor in Mathematics, **GPA: 3.8/4.0**
- Coursework - Machine Learning, Deep Learning (Graduate), Algorithms, Data Structures, Network Science, Probability Theory, Optimization, Monte Carlo Methods, Real Analysis, Linear Algebra
- Extracurriculars - Varsity Track and Field, Data Science Union, ACM AI Project Team

EXPERIENCE

UCLA Track & Field, Los Angeles, CA Aug. 2017- Jun. 2020
NCAA Student-Athlete
- UCLA Athletics All-Academic Team - awarded to the student with the highest GPA on each team
- PAC 12 All-Academic First Team
- Trained up to 25 hours per week while maintaining a full course load

UCLA Human-Computer Interaction Lab Oct. 2018 - Apr. 2019
Undergraduate Researcher
- Worked with OpenCV, dlib, and other computer vision technologies to construct software for eye gaze tracking.
- Built an eye tracking program that works in real time (>30 fps) on a CPU.

Morgan Stanley, Menlo Park, CA Jul. 2018 - Sep. 2018
Intern
- Wrote software that uses web scraping, named entity recognition, and API interfacing to automate lead generation. Also assisted with data migration and reporting.
- Researched NLP methods for named entity recognition

PROJECTS

Facebook AI Deepfake Detection Challenge Nov. 2019 - Mar. 2020
- Worked with a UCLA ACM AI project team.
- Gained experience using AWS to work with massive datasets, and using Git to maintain a codebase with a team.

Inverse Reinforcement Learning 2019
- Tested and debugged implementations of generative models for IRL/Imitation Learning using Julia language highway simulations with UCLA's Vision, Cognition, Learning and Autonomy Lab.

Image Colorization with GAN 2019
- Used PyTorch to construct and train a Generative Adversarial Network for image colorization.
- Researched state of the start approaches, wrote a report for a graduate course (100% grade).

SKILLS

Programming: Python, R, C++, SQL
Tools: PyTorch, Tensorflow, Pandas, scikit-learn, OpenCV, AWS, Git, LaTeX