Andrew Ehrenberg

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EDUCATION

University College London - Machine Learning MS 2020-2021

Anticipated Coursework - Deep Learning, Supervised Learning, Reinforcement Learning, NLP, Graphical Models, Vision and Navigation, Multi-agent AI, Statistical Learning Theory

UCLA - Statistics BS, Math Minor 2016-2020

GPA: 3.82/4.0

Coursework - Machine Learning, Deep Learning (Graduate), Algorithms, C++, Python, Network Science, Linear Models, Probability Theory, Optimization, Data Mining, Monte Carlo Methods, Real Analysis, Linear Algebra

Extracurriculars - Varsity Track and Field, Data Science Union, ACM AI Project Team

SKILLS

Programming Experienced with: Python, and R. Familiar with: C++, LaTeX, and SQL.

Tools PyTorch, Tensorflow, Pandas, scikit-learn, OpenCV, AWS, Git

EXPERIENCE

UCLA Track & Field | NCAA Student-Athlete 2017-2020

- 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 | Researcher 2018-2019

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 | Intern 2018

Wrote software that uses web scraping, named entity recognition, and API interfacing to automate lead generation. Also assisted with data migration and reporting.

PROJECTS

Facebook AI Deepfake Detection Challenge 2019-2020

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 UCLA course (100% grade).