Ulzee An

PhD Candidate
Computer Science Department
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Education

University of California, Los Angeles | Los Angeles, CA — Sept 2019 – March 2025 (expected)
PhD in Computer Science

New York University | New York, NY — Sept 2017 – May 2019
MS in Computer Science

University of Illinois, Urbana Champaign | Urbana-Champaign, IL — Sept 2012 – May 2016
BS in Computer Science

Experience

Research Scientist Intern | **Uber** | San Francisco, CA — June 2022 – Sep 2022

- Developed probabilistic and deep learning models to learn an embedding space for all cities serviced by Uber, using hourly real-time metrics of service demand and efficiency.

Cofounder | **PiraShield** | Boston, MA — June 2016 – July 2017

- Selected to participate in top startup accelerator in Boston (MassChallenge, 8% acceptance rate).
- Architected a distributed web crawler to index 10k+ domains serving pirated media (over 2 million pages) protected behind anti-crawling firewalls.

Software Engineering Intern | **Rithmio** | Chicago, IL — May 2015 – Sep 2015

- Developed a C language SDK for a proprietary motion recognition algorithm using 3-axis gyroscope sensor data; deployed the algorithm to the Apple iPhone, Apple Watch and Pebble Smartwatch.

Technical Skills

Programming Languages: Python, C/C++, Swift, Objective-C, SQL, Bash, R
Technologies and Frameworks: PyTorch, Tensorflow, Huggingface, Docker, Pandas, git, AWS, ONNX, Xcode
Software Development: I primarily maintain two open source projects that are actively used by my peers:

1. AutoComplete: Deep-learning based imputation method for large-scale health records databases (PyTorch)
2. BrainSplat: Brain MRI embeddings using random projections of Segment Anything Model latents (PyTorch)

Achievements and Awards

15 publications (5 first author): Extensive publication record in top scientific journals. Emphasis on deep-learning based methods in healthcare settings (Google Scholar Profile).
Amazon Fellow (2023): *Amazon/UCLA.* Fellowship awarded for work on efficient deep-learning based methods for high-dimensional data modalities in healthcare.
Data Science Precision Health Training Program (2022): *NIH/UCLA.* Fellowship awarded for work on deep-learning based imputation methods for tabular data.
Boston MassChallenge Finalist (2016): *MassChallenge.* Awarded $100,000 in AWS credits.

Relevant Coursework

Machine Learning ● Deep Learning ● Computer Vision ● Data Science in Health ● Applied Bayesian Inference ● Convex Optimization ● Gaussian Processes ● Reinforcement Learning ● ML Systems ● Computational Photography