

Chung Peng (Anderson) Lee

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EDUCATION

University of Washington

Seattle, WA

M.S. in Computer Science

09/2024 - 06/2025

- Combined B.S./M.S. Program

B.S. in Computer Science

09/2021 - 06/2024

- **GPA:** 3.98 / 4.00, departmental honor
- **Relevant Courses:** Machine Learning, Advanced Machine Learning, Deep Learning, Data Structures & Parallelism, Algorithms, Data Management (SQL), Explainable AI, Probabilistic Graphical Models, Natural Language Processing, Operating System
- **Skills:** Java, Python, PyTorch, NumPy, Scikit-learn, SQL, C#, TypeScript, JavaScript, React, C/C++, MATLAB, Slurm

WORK EXPERIENCE

Machine Learning Engineer Intern | Stripe

06/2024 - Present

Airflow, Flyte, Hadoop, PySpark, Databricks, AWS S3

Seattle, WA

- Credit detection team

Software Engineer Intern | SeekOut

06/2023 – 08/2023

Azure, Azure OpenAI, CosmosDB, NoSQL, Rest API, Kusto, C#, TypeScript, React, Jira

Bellevue, WA

- Collaborated with PM and design interns to build client-facing admin tool to allow configuration of job architecture within organization to improve scalability by granting clients ability to modify their own customized attributes end to end through APIs
- Extracted and categorized top 30 common skills for specific job positions from 500+ skill recommendations by clustering embeddings of skills with Kmeans and providing explainability through umap dimensionality reduction
- Delivered external-facing admin tool in production to allow hiring managers in client's organization to curate skills content pertained to their internal job board with skills recommendation support in 3 weeks

Research Assistant | Advised by Emmanuel Mensah, Kurtis Heimerl

01/2023 – 12/2023

Low Resource Multimodal Machine Learning for Wildlife Monitoring

Seattle, WA

- Improved audio-visual localization by implementing bottleneck cross-attention on MobileViT
- Trained MobileViT to achieve 50.2% accuracy on SSW60 fine-grained classification dataset in 1.12M parameter counts opposed to baseline large model with 58.9% and 86M parameter counts

Teaching Assistant | University of Washington

09/2022 – 03/2024

Java, Data Structures, PyTorch, Python, Public Communication

Seattle, WA

- Introductory Programming I (CSE121), III (CSE123), and Machine Learning (CSE446/546 × 3)

PUBLICATIONS

Lee, C., Hong, R., Morgenstern, J. (2024). *Fairness through partial awareness: Evaluation of the addition of demographic information for bias mitigation methods*. Next Generation of AI Safety Workshop at International Conference on Machine Learning (ICML2024)

PROJECTS

Knowledge Distillation Inspired Techniques for Tiny Language Models

Winter 2024

HuggingFace, PyTorch, LLM

Course Project

- Developed a knowledge distillation inspired technique for smaller models (110M, 345M, 735M) to learn from generated and refined output of larger models (13B) to benchmark OpenbookQA dataset
- Utilized retrieval of Wikipedia document and a faithfulness model to filter potentially poor quality generations from the teacher model
- Achieved 5% accuracy gain compared to standard finetuning on OpenbookQA training set and observed marginal gain decreasing when student models' sizes increase