

Kevin Luo

kevinluoyr@gmail.com ❖ (425) 463-7510 ❖ Seattle, WA

EDUCATION

University of Washington – Seattle | B.S Computer Science | GPA: 3.97/4.00

June 2027

Paul G. Allen School of Computer Science and Engineering

2025-26 Courses: Operating Systems, Distributed Systems, Artificial Intelligence, Networks, Theory of Computation

Previous Courses: Deep Learning, Machine Learning, Algorithms, Computer Vision, Systems, Data Structures & Parallelism, Fundamentals (Discrete Math & Probability) I/II, Programming Languages, Databases, Software Design, Security

EXPERIENCE

Citadel | Quant Developer Intern

Jun. 2026 – Aug. 2026

- Incoming Summer '26

Meta | Software Engineer Intern

Jun. 2025 – Sep. 2025

- Designed and built automated anomaly detection for ML feature lineage
- Trained new sparse neural network for ads feature discovery, targeting revenue impact
- Delivered trustworthy features for ad recommendations models (Instagram, Facebook, etc) affecting billions of users
- Collaborated with cross-functional teams, tuning parameters to specific privacy and policy initiatives
- Spearheaded new functionality to detect anomalous feature policy changes and identify causal origin

Amazon | Software Engineer Intern

Jun. 2024 – Sep. 2024

- Designed, built, tested, and deployed BI pipelines used by 10+ internal teams processing over 5,000,000 purchases, deliveries, and promotions per day
- Leveraged orchestration to implement logic as state machine of Lambda functions, decoupling the logic from AWS, increasing agility, modularity, and decreasing costs to production by 10x
- Worked with stakeholders to deliver design doc and data modeling aligned with strategic and financial benchmarks

Emerging Integrated Technologies and Systems Lab

Oct. 2022 – Jun. 2023

Research Assistant

- Designed systems for biomedical imaging devices that analyze blood perfusion in burn injuries
- Developed laser speckle contrast computer vision algorithms that transform “laser speckle” images into blood perfusion heat maps for thousands of source images
- Implemented a complete physical proof of concept, with capture/conversion rates under 1 second

PROJECTS

Curriculum Cross Modal Transfer Learning for Imagined-Speech Reconstruction from sEEG

2025

- Developed 3 stage curriculum transfer learning approach for brain-computer interfaces to overcome data scarcity
- Designed and implemented GRU and Transformer adapter architectures, achieving comparable performance to the baseline with ~80% fewer training epochs during fine tuning
- Experimented on progressive unfreezing of deep convolutional nets to identify optimal adapter boundary

Wake & Push | Winner of HackPNW “Best Overall” Award

2024

- Fitness oriented alarm clock which requires user to perform quality pushups to silence alarm.
- Tracks repetitions and pushup form with computer vision to ensure accuracy and efficacy (MediaPipe Pose Landmarker)

AWARDS, SKILLS, & INTERESTS

Awards:

- 4-time American Invitational Math Exam (AIME) qualifier
- National Merit Scholarship Recipient
- International Baccalaureate Diploma (43/45)

Skills:

- **Languages:** Python, Java, C/C++, OCaml, PHP, Typescript, SQL, LaTeX, Mandarin Chinese
- **Frameworks & Libraries:** PyTorch, NumPy, pandas, matplotlib, React, Node, click, Express, Lombok, Dagger, JUnit/Mockito, PySpark, PyTest
- **Tools:** Jira, VS Code, IntelliJ, vim, Docker, Kubernetes
- **Other:** Deep Neural Networks, AWS (Lambda, Bedrock, S3, DynamoDB, SQS, EC2), Algorithms, gdb, git, OOP, Arduino

- **Interests:** Creative writing; basketball; music; meditation; biology; sociology; math; and nighttime.