

EXPERIENCE

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|---|-----------------------|
| Koel Labs – Founder and CEO | Aug. 2024 – Present |
| ○ Raised \$100K in grants (Mozilla, Microsoft, Google, Nvidia) for computational linguistics research. | |
| ○ Trained SoTA NLP models, cutting streaming latency 60% and doubling accuracy. | |
| ○ Managed open-source team (4 engineers, 6 researchers from CMU/UToronto); oversaw MLOps on GCP. | |
| Ubiquitous Computing Lab – Research Assistant | Jun. 2024 – Present |
| ○ Trained computer vision ML models for sustainability; co-authored ACM IMWUT publication. | |
| ○ Improved crop yields by 18% by developing scalable Embedded ML platform using PyTorch. | |
| ○ Collaborated with Seismology researchers to reduce literature review times by 80% with Agentic RAG. | |
| Gooey.AI – Software Engineer | Jun. 2023 – Sep. 2024 |
| ○ Deployed ML solutions to 10M+ farmers across 5+ countries, demoed to 193 world leaders at the UN. | |
| ○ Led 4-member intern team, merging 70+ PRs across production ML pipelines, teaching good API design. | |
| ○ Optimized inference on GCP & Azure using Docker w/ Sentry monitoring, improving reliability by 40%. | |
| ICTD Lab – Research Assistant | Sep. 2022 – May 2024 |
| ○ Developed Android + USSD platform connecting 10K farmers; co-first-authored ACM CHI paper. | |
| ○ Presented work to 100+ researchers across 3 talks; awarded 2025 CRA Outstanding Researcher. | |
| ○ Reduced latency by 30% with MySQL and Redis, and data costs by 80x using domain specific compression. | |

EDUCATION

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| University of Washington – 4.00 GPA | Sep. 2024 – Jun. 2026 |
| M.S. Computer Science, Meta Hackathon Winner, Next Entrepreneur, Graduate Compilers Teaching Assistant. | |
| University of Washington – 3.87 GPA, 3.98 in CS | Sep. 2022 – Jun. 2025 |
| B.S. Computer Science and Mathematics, DBF CS Lead, Accelerated Honors Math, UWSO First Violin Section. | |

PROJECTS

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| PAGE: Published a novel graph embedding algorithm with optimized data structures in C. | Jun. 2025 |
| YADES: Developed YOLOv8 compression framework reducing power consumption by 10x. | Jan. 2025 |
| SCAT-Web: Built custom health software for 1K+ doctors & hospitals across 10+ nations. | Oct. 2024 |
| SAM: Wrote CLI + NPM package for automated SQLite schema migrations; 3K+ installs. | Apr. 2024 |
| AttendQR: Shipped SaaS attendance system (Express.js + Braintree) for 5 youth orchestras. | Jun. 2023 |
| CE Remote Learning Platform: Deployed software for 500+ students; certified 30+ tutors. | Sep. 2022 |
| Antenna Tester: Published Windows Application for Science Olympiad; 12K+ downloads. | Feb. 2022 |

PROGRAMMING SKILLS

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| Languages: Python, C, C++, Java, JavaScript, TypeScript, C#, SQL. | 7+ years |
| Technologies: PyTorch, React, Docker, GCP, Azure, AWS, Git, Unix. | 4+ years |