

EXPERIENCE

Koel Labs – Founder and CEO Aug. 2024 – Present

- **Raised \$100K in funding:** from Mozilla, Next, and partners for computational linguistics research.
- **First authoring:** ML and HCI papers, leading team of 3, training SoTA models with PyTorch.
- **Python:** MLOps, Docker, Google Cloud Platform, Azure, AWS, React, NLP, ML for Audio, Streaming.

Ubiquitous Computing Lab – Undergraduate Researcher Jun. 2024 – Present

- **Co-authored:** the SAMIR research paper by leading the data collection effort for 1000s of products, inventing the Computer Vision pipeline, designing the UI, and running extensive evaluations.
- **Python:** Embedded ML, ML for Sustainability, Computer Vision, Vision Language Models.

Seattle Tutoring Partners – Founder and Research Mentor May. 2022 – Present

- **Mentoring:** research projects for High Schoolers and collaborating with College Students on independent research such as the novel PAGE algorithm for graph embedding implemented in C.
- **Developed:** software for 500+ youth musicians and antenna software for 8K+ aspiring scientists.
- **Cascade Enrichment, Technical Lead:** managing remote certification and coding curriculum for 30+ tutors; developing and maintaining online assessment platform for 100+ students.

Gooley.AI – Software Engineer Jun. 2023 – Sep. 2024

- **Mentored:** team of 4 interns through merging 70 pull requests touching 1000s of daily active users.
- **Deployed:** ML solutions to 10M+ farmers across 5+ countries, demoed to 193 world leaders at the UN.
- **Python:** MLOps, Kubernetes, Docker, Google Cloud Platform, Django, Azure, OpenAI, Sentry, API design.

University of Washington ICTD Lab – Undergraduate Researcher Sep. 2022 – May 2024

- **Shipped:** a USSD server and Android app via a digital intervention to connect 10K farmers in Tanzania.
- **Co-first authored eKichabi v2 paper:** on scaling technological interventions in Sub-Saharan Africa – accepted to ACM SIGCHI. Presented a 50 minute talk to 40 researchers at the CHANGE Seminar.
- **Python/Java:** Jupyter, Django, MySQL, Redis, HTTP, REST, USSD/Telecom APIs and Android Studio.

Akvelon – Software Engineering Intern Jun. 2023 – Aug. 2023

- **Led:** team of 4 to make 200K open-source contributions to 7 Microsoft repos across 27 pull requests.
- **TypeScript/C++:** Power BI Custom Visuals, Automated Testing, Embedded Systems, and Azure IOT Hub.

European Environment Agency – Data Science Intern Apr. 2020 – May. 2022

- **Authored:** 3 technical reports and 5 data analysis scripts used internally and by scientists in 40 countries.
- **Python:** Pandas, PySpark, Azure ML Studio, Azure Databricks, and Excel.

EDUCATION

University of Washington – 3.98 GPA Sep. 2024 – Jun. 2026

Masters in Computer Science, UWSO First Violin Section, DubHacks Next Project Track

University of Washington – 3.87 GPA, 3.96 in CS Sep. 2022 – Jun. 2025

Bachelor's in Computer Science and Mathematics, Design Build Fly CS Lead, Accelerated Honors Math

PROGRAMMING SKILLS

Languages: JavaScript, TypeScript, Python, Java, C, C++, C#, SQL 6+ years

Tech: Cloud (GCP, Azure, AWS), REST, PyTorch, Auto Testing, React, Docker, Unix, Git 3+ years