

## 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 – Research Assistant**

Jun. 2024 – Present

- **Co-authored** the SAMIR research paper by leading the data collection effort for 1000s of products and designing the Computer Vision pipeline, UI, model training and evaluation framework.
- **Python**, Embedded ML, ML for Sustainability, Computer Vision, Vision Language Models, PyTorch.

### **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.
- **Established** the international standard for digital concussion testing w/ the Concussion in Sports Group.
- **Developed** software for 500+ youth musicians and antenna software for 10K+ 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.

## EDUCATION

---

### **University of Washington – 4.00 GPA**

Sep. 2024 – Jun. 2026

Master's in Computer Science, UWSO First Violin Section, Meta+8VC Hackathon Winner, Next Entrepreneur

### **University of Washington – 3.87 GPA, 3.98 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

7+ years

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

4+ years