

Eashver Elango

eashvere@gmail.com, 425-633-0596

Education

University of Washington, Seattle, WA
B.S. in Computer Engineering, 3.85/4.0 GPA

September 2021

Relevant Coursework: Machine Learning, Data Structures and Parallelism, Software Design and Implementation, Foundation of Computing (I and II), Matrix Algebra with Applications

Technical Skills

Data Science/Machine Learning, AWS (Cognito, DynamoDB), GCP (Firebase)
Languages: Python (PyTorch, Flask, pandas), R (Tidyverse), Javascript (React, Vue), Java, C++, HTML/CSS

Experience

Ubiquitous Computing Lab – Undergraduate Research Intern – Seattle, WA Summer 2022

- > An HCI research lab at the University of Washington, which focuses on innovative sensing systems for real world applications in health and sustainability
- > Worked as a full stack developer for a study partnered with Seattle Children's Hospital on diagnosing new infections for children with primary ciliary dyskinesia
- > Wrote Python utilities scripts for our NoSQL DynamoDB and S3 storage buckets to provide 100% uptime as multiple new patients were introduced into the study
- > Designed and developed a public cough labeling app with Vue.js 3 that both clinical researchers and engineers use.

Vlachos Non-coding Research Lab – Research Intern – Boston, MA Summer 2020

- > Produced a novel deep learning model with Scikit-learn that accurately evaluates in patient risk for cancer-associated thrombosis surpassing all existing risk analysis methods by 37%
- > Served as the only programmer of our risk analysis pipeline and heavily collaborated with in-lab post-doctorates to analyze key proteins linked to thrombosis
- > [Presented research at the International Society for Thrombosis and Haemostasis Conference 2021](#)

Ubiquitous Computing Lab – High School Intern – Seattle, WA Summer 2018

- > Created a ML model that converts hand-drawn app designs into a workable app in Android Studio
- > Part of a 3-person prototyping team tasked with data mining app wireframes and producing a frontend web application for the machine learning model

Leadership

Mission inspirEd – Computer Science Teacher December 2018 – August 2021

- > A [student-run nonprofit](#) with the mission to create the largest, free learning platform for K-12 students
- > Created and taught an Intro to Java and Intro to Machine Learning curriculum to approximately 100 middle school students over the course of 3 quarters
- > Devised [multiple hands-on coding exercises](#) to stimulate curiosity and growth for novice programmers

Vex Robotics Team 815J – Lead Programmer and Co-Designer October 2015 – April 2019

- > Multiple appearances at the World Championships in Louisville, Kentucky, and 3-time state champions at the Washington Vex State Championships
- > Designed and developed autonomous programs in Java for our robot and collaborated with builders to improve the driving experience

Knowledge Bowl Club – President June 2020 – June 2021

- > Organized and planned online club meetings over the course of the COVID-19 pandemic
- > Built a Knowledge Bowl proctor with Discord.js and SQL that supports up to 100 simultaneous users with the goal of providing accessible online training and simplified virtual tournaments

Additional Links

GitHub: github.com/eashvere
Personal Portfolio: eashvere.github.io