Eashver Elango

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Education

University of Washington, *Seattle, WA* September 2021
B.S. in Computer Engineering, 3.85/4.0 GPA

Relevant Coursework (Java and Python): Machine Learning, Algorithms, Data Structures and Parallelism, Software Engineering, Systems Programming, Linear and Matrix Algebra

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**, **Git**

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 S3 storage buckets and NoSQL DynamoDB to provide 100% uptime as multiple new patients were introduced into the study
> Designed and developed a real-time dashboard 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 workable apps in Android Studio
> Part of 3-person team tasked with data mining app designs and producing a web application for the 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

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