

edward@eseymour.me

El Paso, TX

eseymour.me

github.com/eseymour

Edward Seymour

EXPERIENCE

Xealth

Software Engineer

Seattle, WA

Sep 2022–Oct 2023

Amazon.com Services

Software Development Engineer

Seattle, WA

Jul 2019–Nov 2021

- Created the initial React front-end with TypeScript for a customer and internal facing portal interfacing with the existing webserver through a Swagger generated API
- Optimized an Elasticsearch query in a critical downstream Java microservice, reducing related API latencies by over 80% during peaks in traffic
- Worked with AWS technologies such as Lambda, S3, SQS, SNS, CloudFormation, and CDK

Soothing Resonance (formerly Freudensong)

Software Engineer, Professor Led Startup, Part-time

El Paso, TX

Jun 2017–Jun 2019

- Created the initial prototype and rewrote it into a digital signal processing library in C++14 to filter and feed back microphone audio with low latency running on iOS and Android
- Authored the Android app interfacing with the portable library in using the Android NDK

UTEP Computer Science Department

Undergraduate Teaching Assistant, Part-time

El Paso, TX

Aug 2017–Jun 2019

- Assisted in the OS, Networks, and Computer Architecture courses and related labs
- Graded and helped students with labs written in Python, C, and MSP430 Assembly

PROJECTS

Hack CPU Emulator

TypeScript, Web Workers

hark-emu.eseymour.me

- Achieved a 40x speed improvement over the provided emulator by using web workers allowing the emulator to run on a separate process without blocking the render thread

SKILLS

- Experienced working with TypeScript, Java, React, Docker, and Git
- Familiar with Go, C++, C, Python, AWS CDK, unit testing, and \LaTeX
- Native English and Spanish speaker

EDUCATION

The University of Texas at El Paso

Bachelor of Science in Computer Science, Major GPA: 3.80

El Paso, TX

Graduated 2019

Relevant Courses: NLP, Machine Learning, Reverse Engineering, OS, Computer Networks