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Edward Seymour

EXPERIENCE

Amazon.com Services

Seattle, WA

Software Development Engineer

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)

El Paso, TX

Software Engineer, Professor Led Startup, Part-time

Jun 2017–Jun 2019

- Created the initial prototype and rewrote it into a digital signal processing library in C++14 to feed back microphone audio at low latency running on iOS and Android
- Authored the Android app interfacing with the portable library in using the Android NDK
- Used Git, CMake, and Google Test in daily work for more robust and modular code

UTEP Computer Science Department

El Paso, TX

Undergraduate Teaching Assistant, Part-time

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

hark-emu.eseymour.me

- Achieved a 40x speed improvement over the supplied emulator by using web workers to allow the emulator to run on separate threads without blocking the browser render thread

SKILLS

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

EDUCATION

The University of Texas at El Paso

El Paso, TX

Bachelor of Science in Computer Science, Major GPA: 3.80

Graduated 2019

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