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Edward Seymour

Education

The University of Texas at El Paso

Attended 2015–Present

TA for Computer Architecture I

Current Coursework:

- Computer Networks

Relevant Coursework:

- Software Reverse Engineering
- Risk Analysis & Decision Making for Security
- Theory of Operating Systems

Carnegie Mellon University

Attended 2012–2015

Partial credit towards BSc in Computer Science

Relevant Coursework:

- Principles of Imperative Computation
- Data Structures

Skills

Programming Languages

Experienced:

Go • C • Java • MSP430

Familiar:

C++ • C# • Swift • Python

Technologies

Android NDK • UWP • Git

Linux • Server Administration

Experience

Intone Labs

Software Developer

June 2017–Present

- Developed SonoBueno for Android, an app for singing.
- Implemented common audio DSP code deployed on Android, iOS and Windows.
- Increased productivity by automating tests on Linux and macOS using a continuous integration platform.
- Adapted by learning new skills such as digital signal processing and Android development

Robust Autonomic Systems

Undergraduate Research Assistant

Nov 2017–Present

- Investigating current Android GC performance and power efficiency.
- Testing changes to the GC to improve power efficiency.

Harmony Science Academy

IT Assistant

Nov 2013–Jan 2015

- Sped up repetitive tasks with automation
- Redesigned a dated website with a modern, responsive layout

Projects

Minesweeper for MSP430 Microcontroller

C • MSP430

Apr–May 2017

- Adapted to limited resources (512B RAM, 16kB flash)
- Implemented custom RNG and sprite libraries.

Hack Emulator

JavaScript

Apr 2016

- Achieved speed and responsiveness with web workers resulting in ~40x speed over the reference emulator.