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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 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 on 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.