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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
- Numerical Analysis

### 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# • Kotlin • Python

### Technologies

Android NDK • UWP • Git  
Linux • macOS • Windows  
Server Administration

## Experience

### TruEar Labs

*Software Developer*

*June 2017–Present*

- Developed TruEar 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*

- Aiding in research involving power efficiency.
- Learning about the QUIC protocol.

### 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.