Adam Emerson

Software & Web Development

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📍 Fort Worth, TX

3+ years of professional experience as a full stack developer. Graduating with a BS in Software Engineering from the University of Texas at Arlington in the Summer of 2023.

Work History

Jun 2022 – Present

Undergraduate Research Assistant

University of Texas at Arlington – Arlington, TX

- Lead developer on the "ASketch" visual scripting desktop application for use with the Alloy scripting language used in software verification.

- Desktop application developed with Electron, using a React frontend.

- Interfaces with the Alloy Analyzer via a locally hosted Java Springboot API.

Aug 2020 – Jun 2022

Full-Stack Developer

Planet Access – Fort Worth, TX

- Worked as project lead developing and maintaining a monitoring stack for large drone fleets. Hosted on AWS, using Docker, Terraform, InfluxDB, and Grafana

- Designed, developed, and maintained a wide array of custom websites and web-applications for various clients.

- Installed and maintained mid-sized computer networks and servers in offices around the DFW metroplex.

Jan 2019 – Jul 2020

Producer

Yacht Club (Film Production) – Brooklyn, NY

- Regularly hired, scheduled and managed personnel on commercial shoots with crews of up to 30 people.

- Ensured projects were delivered on schedule and came in under-budget.

- Improved client relationships via effective communication throughout the production process.

- Maintained the company website and improved workflows in the office with custom micro-applications.

Jun 2016 – Jan 2019

Production Manager

Freelance (Film Production) – Brooklyn, NY

- Created and maintained positive relationships with a dozen commercial production companies in NYC.

- Organized and processed crew paperwork, time cards, and payroll documents.

- Exhibited strong leadership skills in demanding and constantly changing work environments.

Education

Bachelor of Science, Software Engineering

University of Texas at Arlington

August 2023   3.4 GPA

Projects & Accomplishments

Auragraph - Web Application (Next)
A web application for Spotify users designed to help users visualize the relationships between their favorite artists by generating colorful, interactive Euler diagrams. Submitted as an entrant in the Supabase Launch Week 6 Hackathon

ASketch - Desktop Application (Electron)
ASketch is a no-code solution for building unit tests in the software modeling language Alloy. Built using Electron, React, and Typescript, this project is still in active development and is the primary work of my undergraduate research.

UniVerse - Android Application
A native Android application that received 2nd place in a university software engineering competition.

Secret Symphony - Video Game (Unity)
A musical education game geared towards kids, built in Unity and publicly released in November of 2021.

Sightstone - Amazon Alexa Application
An unofficial Amazon Alexa app for the video game *League of Legends* built with Flask and BeautifulSoup. Launched in 2018.

Skills

Languages
Javascript, Typescript, Python, Java, C, C#

Frameworks / Libraries
React, Next, Electron, Unity, Flask, Bootstrap

Databases
MySQL, SQLite, Firebase, MongoDB, InfluxDB

Design
Figma, Illustrator, Photoshop, Adobe XD

DevOps
Git, Docker, AWS, Traefik, Nginx, ProxMox Hypervisor, Terraform