

Jahziel Villasana-Espinoza

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EDUCATION

Georgia Institute of Technology,
December 2020

B.S - Computer Science GPA: 3.43

CS1332: Data Structures and Algorithms, CS2110: Computer Organization and Programming (Assembly and C),
CS2200: Intro to Systems and Networking, CS3210: Operating System Design,
CS4240: Compilers and Interpreters, CS4210: Advanced Operating System Design

SKILLS

PROGRAMMING LANGUAGES C, Go, JavaScript, Rust, Python, C#, Java

WEB DEV Node.js, React, Redux, Jekyll, Flask, HTML, CSS

SOURCE CONTROL Git, GitHub

DATABASES SQLite, SQL Server, DynamoDB

LINUX/UNIX Ubuntu, Bash, vim

ENGLISH Native speaker

SPANISH Native speaker

EXPERIENCE

State

Farm

Software Engineering Intern May 2019 - Present

- Transitioned key parts of State Farm's internal claims microservice and API infrastructure from on-prem to AWS.
- Gained project management experience by leading a team of fellow interns in building and deploying a SPA for internal use.
- Taught workshop on Go to full-time members of dev team.

Yokogawa Corp. of
America

Co-op Engineer Aug 2017 - May 2019

- Developed a custom tool to streamline Quality Assurance documentation processes.
- Created an Android app that optimized customer plant tours, leading to savings of over \$5,000 per year.

PROJECTS

ECMA 402 Student
Member

- Documented recent ECMAScript features on Mozilla Developer Network as part of the ECMA 402 standardization process.
- Wrote over 10 entire reference pages with the help of various standards specification documents.

C dynamic memory

- Implemented the C dynamic memory allocation library (malloc, calloc, realloc, free) as part of coursework for CS 2110.

libc for xv6

- Implemented a small libc for xv6, the teaching operating system used in CS 3210.
- Buffered I/O, signals, setjmp, variable argument support and more, as well as supporting system calls.

Assorted apps

- `newpost`: A little CLI that lets you create new GH Pages/Jekyll blog post files with ease. Built with Node.js.
- `resumic`: A resume JSON schema, with a CLI to generate beautiful HTML and PDF resumes from your data. Built with Go.
- `ankiport.com`: A web app that converts Quizlets to Anki decks. Built with React and Flask.
- `deadbeef.app`: Convert from decimal to hex to octal to binary, instantly. Built with React.