

WILLIAM CRUTCHFIELD

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EDUCATION

University of Maryland Global Campus
BS Computer Science *GPA: 3.9*

Adelphi, Maryland
Sep 2015 - May 2019

WORK EXPERIENCE

City Mechanical, Inc.
IT Manager

Hercules, California
November 2022 - Present

- Developed a custom ETL pipeline for Sage 300 CRE for internal migration to BuildOps.
- Developed internal form workflows that save hundreds of hours per month.
- Cut inefficiencies in IT operations that saved the company tens of thousands of dollars per year.

Tech Wizards, Inc.
Software Engineer I

Dahlgren, Virginia (Remote)
February 2020 - November 2022

- Supported the Virtual Maintenance Trainer (VMT) projects, a collection of Unity-based virtual world maintenance trainers.
- Designed and developed the Operational Readiness Test System (ORTS) for the VMT projects. Leveraged real-world big data to dynamically construct a virtual ORTS instance based on the relevant VMT project.
- Led a small team of developers and managed a business relationship with Lockheed Martin engineers to assist with the development of ORTS for the VMT projects.
- Key developer for an internal group of assemblies that increased the overall stability and development speed across all VMT projects.

Self Employed

Freelance Web Developer

Remote
April 2017 - Present

- Networked with local businesses to develop small clientele for web development work.
- Redesigned www.masterswoodworkinginc.com leading to an increase in customer acquisition.
- Developed contact form workflow for www.citymechanical.com that improved turnaround for new customers.

Abstract Recording Studios

Audio Engineer

Glendale, CA
January 2015 - April 2017

- Ran live recording sessions recording local artists and bands.
- In-house Ableton Live expert for music production, taught lessons on the software.
- Produced various sound cues that ended up on the shows like Venom Hunters on Discovery Channel.

SKILLS

Languages (Strong): C#, Typescript
Languages (Familiar): Go, Java, SQL
Frameworks: React, NextJS, Tailwind

PROJECTS

icandrivers *TypeScript, NextJS, Stripe, Inno Setup Compiler* [**formbro** *TypeScript, NextJS, Stripe, Convex* <https://www.formbro.com/>
A form platform intended to replace legacy providers with a easy way for non-technical businesses to leverage form workflows.](https://www.icandrivers.com/
A custom driver solution to allow the Holley Tuning Software to run on ARM-based devices.</p></div><div data-bbox=)

AWARDS

Dean's List University of Maryland Global Campus
Recognized for earning a GPA of at least 3.5 in a term while completing at least 6 credits and maintained a cumulative GPA of 3.5 or higher. Fall 2015 - Spring 2019

Magna Cum Laude University of Maryland Global Campus
Recognized for graduating with a cumulative GPA of 3.901-3.999. April 2019