

Denny Ho

Full Stack Software Developer

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📍 Tucson, Arizona

PROFESSIONAL EXPERIENCE

Full Stack Software Developer

AstreaX

📅 09/2020 - Ongoing 📍 Tucson, Arizona

AstreaX is an Enterprise Software Development company with cross-functional industry experience.

- Developer for the Arizona Department of Transportation. Handled over a billion records. Maintained, improved, and implemented services in both customer and private MVD portals. Created efficient, modern, and sound data Reports of MVD information.

Computer Science Teaching Assistant

The University of Arizona

📅 2019 - 2020 📍 Tucson, Arizona

Teaching Assistant for Object Oriented Programming course and Computer Programming II course.

- Led and mentored teams of students as a stakeholder to simulate professional and Agile programming practices.

TECH STACK

Coding Languages

C#	SQL	TypeScript	Python	Java	HTML/CSS
C++	Swift	C	MATLAB	VERILOG	

Libraries & Frameworks

ASP.NET	Angular	Entity Framework	Bootstrap	
NuGet	NODE	D3.js	REACT	JDBC

Tools

Postman	SQL Server MS	Power BI	Report Builder
GIT	AzureDevops	Agile	Visual Studio

EDUCATION

Computer Science B.S.

University of Arizona

📅 2016 - 2020

- **Electrical Computer Engineering Minor**
- Wildcat Excellence Scholarship, Deans List Honor

GPA

3.46 / 4.0

PROJECTS

AZ MVD Now

🔗 <https://azmvdnow.gov/home>

Arizona citizen specific portal to complete various MVD tasks.

- Developed new services essential to the MVD process such as a My Vehicles Page, Driver License Renewal, CDL Renewal, and many more

Motor Vehicle Modernization

Private government Arizona Department of Transportation employee portal to complete various official MVD tasks.

- Overhauled over 50% of existing data reports to optimize performance by reducing query times by over 75%.

Mobile Identification

An Arizona mobile ID that digitally replaces the need for carrying a physical Drivers License.

- Created new tables in the MVD Database to store credential information. Created services in both customer and private portal to issue and update credentials.

Sorting Visualization

🔗 <https://dennyho2020.github.io/Animated-Sorting-Algorithms/>

Webpage that animates sorting algorithms.

Anything's Fine iOS App

🔗 <https://github.com/UofA-CodePathGroup2/anythingsfine>

A food recommendation and social media app developed by me and a team of two others.

Data Visualizations Showcase

🔗 <https://github.com/DennyHo2020/Data-Visualizations-Showcase>

Showcase of my javascript data visuals. Displays parallel coordinates, linked views, tree maps, marching squares, and transitions within data visualizations.

Vending Machine

🔗 <https://github.com/DennyHo2020/Vending-Machine>

Programmed an FPGA board to simulate the functionality of a vending machine.

- Demonstrates ability to program hardware and understand differences to software.
- Proficiently worked with buttons, switches, internal clocks, and seven segment displays.
- Wrote Verilog test benches.