

HUNTER CARVER

Corpus Christi, Texas 78410 • (361) 946-7678
.NET/React/NextJS Full-stack Software Engineer

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huntercarver.me

SKILLS

- C++ / C# / C
- Version Control/Git/GitLab/GitHub
- MATLAB
- ASP.NET Core MVC
- HTML/CSS
- Bootstrap/Mantine.dev
- .NET MAUI/Xamarin
- JavaScript/NodeJS/TypeScript
- Python
- JSON/XML
- SQL/Stored Procedures/EF
- MQTT/ActiveMQ
- CLI/UNIX commands
- .NET
- Docker
- CesiumJS/ArcGIS
- ReactJS/NextJS
- Java
- Jest/Unit testing
- NodePM/NuGetPM
- Microsoft Azure

WORK EXPERIENCE

Software Engineering Intern / Texas A&M Corpus Christi Lone Star UAS, Corpus Christi, Texas

10/2021 – Present

- Created a .NET MAUI cross-platform mobile application for the organization that when enabled on an employee's phone, sends their location via MQTT to be visualized in our situational awareness tool. This mobile application worked as a background process to constantly publish location data. Location transmission is enabled and disabled at the press of a button.
- I thought of, proposed (was accepted), and implemented a mission critical UAS status page that displays the live critical information of all active UAS aircrafts such as battery %, ground speed, and altitude. This page had custom alert capabilities that a user could set thresholds for max speed, max altitude, min altitude, and min battery %. The thresholds could be set both globally and per aircraft, and these thresholds could be saved to a cookie. When a threshold was hit, the UAS information for that aircraft would turn red and a toast would appear with an appropriate danger message.
- Pair-programmed on the creation of an MQTT client logging system to log all topics published to our ActiveMQ server along with a replay system to replay any selected message. Both the logging and replay systems utilized multi-threading.
- Created a NodeJS server application to receive a configuration message from our web application to then produce and publish the requested amount simulations for each simulation type specified from the configuration received to be sent to our situational awareness tool.
- Created a new ASP.NET Core MVC web application with Authentication / Authorization / Impersonation capabilities using Microsoft Identity and Entity Framework.
- Created database modification and visualization capabilities in our web application by creating stored procedures, endpoints in our internal RESTful API, and calls to those endpoints.
- Increased system health awareness by implementing Prometheus, a system health check, to the organization's web application.

Owner / Carver Tech LLC

02/2022 – Present

- Built and maintaining a 240 MH/s cryptocurrency mining rig to validate the Ethereum blockchain via the proof of work consensus protocol.

Software Engineer 1 / Dell Technologies, Round Rock, Texas

08/2023 – ?

- I accepted my offer from Dell Technologies in October of 2022, and I am set to work for them in August of 2023 after I graduate in May of 2023.

EDUCATION

Bachelor of Science, Computer Science, Systems programming / Spring 2023

Texas A&M Corpus Christi, Corpus Christi, Texas

- Upper-level Computer Science courses taken: Introduction into Artificial Intelligence, Algorithms, Software Engineering, Numerical Methods, Image Processing, Theory of Programming Languages, Intro to Database Systems, Operating Systems, Computer Networks, Software Project Management, Survey of Programming Languages, Cyber Security, Cryptography, Technical and professional writing for Computer Science, and Skills for Computing Professionals 1 and 2.

Associate of Science, Computer Programming / Spring 2021 – Graduated

Del Mar College, Corpus Christi, Texas

PRESTIGIOUS AWARDS

Hall of Fame, Spring 2021

Del Mar College, Corpus Christi, Texas

LEADERSHIP EXPERIENCE

Founding President / Del Mar Computer Science Club, Del Mar College

01/2020 - 05/2021

- The Del Mar Computer Science Club is a Departmental Registered Student Organization that I created at the beginning of 2020 with a few of my colleagues. Within this organization I led, we planned to attend tech conferences pre-covid but once we went online, we sought to further our programming knowledge by including a breakout session during every online meeting to sharpen our skills on coding websites such as codewars.com.

President / Phi Mu Alpha Kappa Chi, Del Mar College

09/2020 - 05/2021