

# Dallon Jarman

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## Education

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### Northern Arizona University

*BS in Software Engineering*

- **Coursework:** Operating Systems, Data Structures, Software Testing, Applied Cryptography

## Experience

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### ACE Intern

*Griffiss Institute*

*Rome, NY*

*May 2024 – Aug 2024*

- Highly competitive and immersive cyberwar fighting internship
- Gained a deep understanding of leadership, fellowship, and problem solving
- Participated in weekly operations, weekly case studies, and technical lectures with a challenge problem.

### IT Technician

*Northern Arizona University*

*Flagstaff, AZ*

*October 2022 - Present*

- Provide software, data, and hardware support to students personal machines
- Established and maintained hundreds of thousands of dollars worth of University computers for faculty and staff.

## Projects

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### Stenography tool

- Developed a stenography-based tool that allowed the user to provide as many images as they would like and a long string of text to insert into the images.
- This tool was built for the Covert Channel lecture during the ACE internship.
- The purpose of this tool is for a seemingly normal website to send data from the server to the client by only using normal activity to bypass any firewall.
- Tools Used: Python

### Super Simple Ticketing System

[SSTS](#) 

- Developed a simple ticketing system for an IT Organization that allows for a customer to call in and submit a service request.
- Tools Used: Flask, Python, JQuery, Bootstrap, MongoDB, HTML, CSS, and JS

### Race Tracker

[Race Tracker](#) 

- Currently developing a race tracker that will score a runner's time as they past the finish line. The tracker will allow a runner to have a RFID that gets scanned when the past the finish line to stop their time.
- Tools Used: Flask, SQLite, Python, HTML, CSS, JS

### Low Level Operating System Simulator

[Operating System](#) 

- Built a UNIX-style OS with a the ability to create process control blocks, output to display or file.
- The simulator uses a variety of scheduling methods such as Round Robin and Shortest Job First to manage tasks.
- Tools Used: C

## Technologies

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**Languages:** C++, C, Python, SQL, NoSQL

**Technologies:** XCode, VSCode, PyCharm, BurpSuite, AWS, Postman