

Charles A. Adams IV

charlesaadams4@outlook.com | (443)553-3009

Portfolio: <https://caadams4.github.io/> | <https://www.linkedin.com/in/charlesaadams4/>

EDUCATION

University of Delaware (Junior)

Sep 2020 – May 2024

- B.S in Computer Science – GPA: 3.71 – In-progress – *more than 2 years completed*
- Coursework: Software Engineering; Algorithm Design & Analysis; Data Structures; Web App Security; Adv. Web Technologies; Operating Systems; Cloud Security; Systems Programming; Automata Theory

LANGUAGES AND TECHNOLOGIES

- Python(expert), Javascript(expert), C(proficient), C++(proficient), Java(intermediate)
- VSCode, Git, Firebase, React, Angular, NodeJS, Kali Linux, Ubuntu, Windows, Pwntools, Google Cloud

WORK EXPERIENCE

Process Improvement Analyst

United States Marine Corps

Mar 2019 – Aug 2020

- Led 2 process improvement projects to improve company maintenance practices. The more notable project was to analyze a C-130 propeller build process, of which we reduced build time from 6 to 3 days, saving an average of \$24,000 per month in manpower and material costs
- Taught Lean Six Sigma Yellow Belt classes to over 200 employees
- Politely articulated to workcenter supervisors that their workspaces were messy and needed to implement Lean principles. Supervised 61 work center cleanups to implement standardization, equipment sorting, and controls to sustain the change

System Administrator

United States Marine Corps

Aug 2012 – Aug 2020

- Identified, troubleshoot and solved over 100 technical computer, server, and network problems
- Prepared for and led teams of 3-8 in 11 expeditionary deployments to build radio and computer networks in support of military aviation and maintenance operations overseas
- Automated daily, weekly, monthly and yearly backups of 6 servers using BASH scripting
- Conducted 26 training events on technology centered and general military topics
- Articulated technical problems and projects to non-technical people. Explained servers, radios, computers, networks, and other technical topics to mid-level or executive leaders over 48 times

PROJECT EXPERIENCE

Chat Web App – Independent Project 2022 – https://github.com/caadams4/my_very_own_discord

- DIY-Discord. Users can login, post messages to multiple servers, and attempt to gain admin access. Built with Vanilla JavaScript, jQuery, and Firebase. Intended to be a web app sec hacking lab.

CPU Scheduler – Class Project 2022 – <https://github.com/caadams4/OS-Final-Proj>

- Scheduler written in C, schedules jobs with First-In-First-Out or Shortest-Job-First. Deadlock prevention implemented using Bankers Algorithm. Operating Systems final project

ToDo Web App – Independent Project 2021 – <https://github.com/caadams4/ChoreBoard>

- ChoreBoard website that can be used across multiple device types. Built with React and Firebase