

Charles A. Adams IV

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EDUCATION

University of Delaware

Newark, DE

College of Engineering

Sep 2020 – May 2024

Bachelor of Science

Major: Computer Science, Minor: Cybersecurity

GPA: 3.71

Coursework: Algorithm Design & Analysis, Data Structures, Web App Security, Advanced Web Technologies, Operating Systems, Cloud Security, Systems Programming, Cybersecurity

TECHNICAL SKILLS

- **Programming Languages:** Python, C, C++, Javascript, Java
- **Operating Systems:** Kali Linux, Ubuntu, Windows
- **Software:** VSCode, Git, Firebase, React, Angular, MongoDB, REST APIs
- **General:** software engineering, web development, web application security, algorithms, data structures, binary exploitation, cybersecurity, computer networks, capture the flag (CTF)

PROJECT EXPERIENCE

Chat Web App – Independent (lead developer)

Jun 2022 – Current

- Creating a mock Discord with vanilla Javascript, jQuery, and Firebase. Built with web security in mind. This web app was built as part of the University of Delaware hosted Blue Hen Capture the Flag event
Github: https://github.com/caadams4/my_very_own_discord

Scheduling Program – Class Project (Project Leader)

Mar 2022 – Jun 2022

- Scheduling program written in C. Schedules jobs based on first-in-first-out (FIFO) and shortest-job-first (SJF). Heavy use of structs and linked-lists
Github: <https://github.com/caadams4/OS-Final-Proj>

ChoreBoard Web App – Independent (lead developer)

Dec 2021 – Feb 2022

- To Do list web app built with React and Firebase. Front end application that people can use from anywhere
Github: <https://github.com/caadams4/ChoreBoard>

Computer Science Degree Planner – Class Project (team member)

Sep 2021 – Dec 2021

- A University of Delaware Computer Science Degree planning tool built in React. UD students can use the tool to plan future semester course loads, check requirements and more
Github: <https://github.com/UD-CISC275-F21/ud-cis-scheduler-team-5>

WORK EXPERIENCE

United States Marine Corps

San Diego, CA

Process Improvement Specialist / Lean Six Sigma Green Belt

Mar 2019 – Aug 2020

- Led 2 green belt projects, participated in 9 green belt projects as a team member
- Taught Lean Six Sigma Yellow Belt classes to over 200 employees
- After a series of flight delays, an aviation squadron was negatively highlighted as having some complicated maintenance problems. I led a team of 10 employees to conduct a KC-130J propeller build process improvement project. Through applying the process improvement principles, the propeller build time was reduced from 6 to 3 days, saving an average of \$24,000 /month in operating and material costs

United States Marine Corps

San Diego, CA

System Administrator / Information System Security Officer

Aug 2012 – Aug 2020

- Performed 11 deployments in the United States and abroad while leading small teams to deploy radio and computer networks to support military aviation operations
- Maintained 2 virtual Linux and 2 virtual Windows servers daily and applied security updates when required. All system administration performed via VMware
- Led teams of employees to audit my organization's 400+ users and 48 groups list to reflect the minimally required permissions to complete their jobs
- Performed 286 system upgrades to Windows 7 and oversaw a team upgrading 433 computers to Windows 10. I also performed upgrades to my servers, upgrading them from Windows 2003 to Windows 2008
- Conducted regular training on technology centered and general military topics.
- Explain complicated technical topics to people. On a weekly basis, I would give a presentation explaining servers, radios, computers, networks, or some other technical topic to mid-level or executive leadership

AWARDS

- Dean's List x 3
- Navy Marine Corps Achievement Medal (Military) x 4
- Certificate of Commendation (Military) x 2
- Meritorious Mast (Military) x 1