

Caden William Clements

Aspiring Computer Science Professional

EDUCATION

Eastern University, St. Davids, PA — *Double Major Student*

August 2021 - Present | GPA: 3.67 | Dean's List Student

- Double majoring in Computer Science and Data Science
- Double minoring in Mathematics and History at Eastern University.

PROFESSIONAL EXPERIENCE

USCG Sector New York, Staten Island, New York - *Cyber Intern*

May 2023 - July 2023

- Conducted research on maritime cyber hygiene.
- Collaborated with Brendan Dolan on a simulated cyber attack on USCG Sector New York.
- Enhanced cybersecurity protocols across New York Harbor.
- Developed a cyber outreach website for maritime community awareness.

Ephrata National Bank, Ephrata, PA — *IT Services and Support Specialist I*

May 2022 - August 2022

- Implemented YubiKeys for laptop multi-factor authentication for the entire company.
- Troubleshooted software, including Bankway and Image Centre.
- Acquired experience in computer maintenance and peripheral setups.
- Maintained meticulous documentation of all tasks using a ticketing system

Computer Science TA, Wayne, PA — *Computer Science TA*

August 2022 - Present

- Assisted in lectures and contributed to assignment creation.
- Played a key role in grading assignments.
- Actively involved in developing code for an automatic grader, enabling instant student feedback.
- Tutoring responsibilities also include this course.

NOTABLE PROJECTS

- **"The Simpsons" Data Analysis**
 - ◆ Conducted a comprehensive examination of "The Simpsons" episodes, analyzing factors such as ratings, viewership, production decade, character impact, and dialogue trends to identify patterns of success.
- **Personal HTML Website**
 - ◆ Built a self-taught HTML and CSS personal website from scratch over three months, surpassing initial challenges and forgoing popular website builders like Wix or Google Sites.
- **Military Database Design**
 - ◆ Designed a military-themed database during a databases course, opting for a broad approach while acknowledging the potential for improvement by focusing on a specific military branch in future iterations.
- **Machine Learning Classification of API Behaviors**
 - ◆ Developed a couple of different classification models to detect and analyze real-time API behaviors. This has the potential to be able to track real-time API Behavior
- **Cyber Security Outreach Website**
 - ◆ While interning with the Coast Guard, I built a cyber outreach tool that can be used to spread awareness of better cyber hygiene within the Sector of New York's Area of Responsibility.

CONTACTS

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RELEVANT COURSES

Calculus I and II + Discrete
Mathematics + Databases + Analysis of
Algorithms + Operating Systems +
Statistics Using R +
Data Structures (Java) + Machine
Learning + Software Engineering +
Data Wrangling + AWS Data
Management

REFERENCES

Tina Tuscano

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Supervisor at Ephrata National Bank

Walter Huddell

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Math Professor at Eastern University

Brandi Magonigal

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Data Science Professor at Eastern
University

Amy Huddell

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Computer Science Professor at Eastern
University

John Hillin

John.j.Hillin@uscg.mil | (718) 354-4244
Safety and Security Division Chief at
USCG Sector New York

AWARDS

- Eagle Scout Class of
2018. Troop 241 from
Knauers, PA
- Dean's List

CODING LANGUAGES

- Python Expert
- Java, C++ .. Proficient
- R Novice
- HTML, CSS Expert
- JavaScript Novice
- SQL Novice