

# Matthew K. Carby

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## EDUCATION

### Bachelor of Science in Computer Science

Shaw University, Raleigh, NC

Expected graduation date: May 2025

Cumulative GPA: 4.00 / 4.00

## RELEVANT EXPERIENCE

### Google, Inc., YouTube

STEP Intern

San Bruno, CA

May - August 2023

- Redesigned the purchase flow within YouTube TV Living Room to enhance user experience and increase user conversion rate.
- Added server functionality (C++) to return the necessary protocol buffers for a new QR code handoff feature.
- Refactored code to support adaptability, and implemented experiments to gate changes, enabling efficient and smooth ramping of the update.
- Conducted rigorous testing and debugging to ensure a bug-free implementation and smooth user experience.

### RELX, inc., LexisNexis

Security Analyst Intern

Raleigh, NC

June - October 2022

- Embarked on a project aimed at identifying Indicators of Compromise (IOCs) within the organization and enacted the necessary procedures to report found vulnerabilities.
- Gained valuable experience using tools such as AWS, the Serverless Framework, TheHive, and Docker.

## COMPUTER SKILLS & CERTIFICATIONS

- Programming Languages:** Python (Intermediate), JavaScript (Intermediate), Java (Intermediate), C++ (Intermediate), HTML, and CSS.
- Technical:** Microsoft Office, Django Framework (Intermediate), and ReactJS Library (Intermediate).
- Certifications:** JPMorgan Chase & Co. Software Engineering Virtual Experience.

## RELATED COURSEWORK

- Introduction to Programming I
- Programming II
- Introduction to Cyber Operations
- Computer Hardware, Virtualization, & Data Communication
- Information Security Ethics, Policy, & Risks
- Data Structure & Algorithm Analysis
- Web Page Design I & II
- Networking I

## PROJECTS AND APPLICATIONS

- Created a website called "ChegBase" using Python, Django, HTML, CSS, Bootstrap, and JavaScript to provide an online store for users to sell new and used books. (<https://github.com/MattKen18/ecommerce>)
- Created a website called "Kpolls" using Django, HTML, CSS, Bootstrap, and JavaScript. Users can vote on daily polls hosted by me. (<https://github.com/MattKen18/KpollSite>)
- Created a Deliveroo Clone with React-Native (<https://github.com/MattKen18/deliveroo-clone>)
- Worked on a knowledge store website using ReactJs (<https://github.com/MattKen18/knowledge-base>)
- Working on a review submission website using ReactJs, Firebase, TailwindCSS, and Redux.

## LEADERSHIP & EXTRA-CURRICULAR ACTIVITIES

- Shaw University Honda Campus All-Star Challenge (HCASC) Team (2021-Present)
- Association for Computing Machinery (2021-Present)
- Shaw University Cy(Bear) Security Research Group – IOC Intrusion Detection System (2022-Present)
- Student Ambassador Shaw University Wellness 4 All (2022-Present)

## HONORS

- Shaw University Honors Program (2021-2025)
- Shaw University Presidential Scholarship Recipient (2021-2025)
- Shaw University President's List - GPA of 4.0 (2022-2023)