

# NTENSE OBONO

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## EDUCATION

**Carleton College**

**GPA:** 3.5/4.0

**Graduation Date:** June 2025

**Bachelor of Arts:** Computer Science, Mathematics, Concentration in Finance and Technology

**Relevant Coursework:** Data Structures, Computer Systems, Advanced Software Development, Programming Languages, Probability, Linear Algebra, Calculus III, Economics, Math Structures, Machine Learning, Algorithms, Computability and Complexity

## TECHNICAL SKILLS

**Programming Languages:** Python, Java, C, SQL, HTML, CSS, JavaScript, Asm, Pandas, Selenium

**Skills:** Machine Learning, Generative AI, AWS, Docker, DevOps, Version Control(Git), UI/UX, Consulting, Data Analytics, Economic and Business Industry Knowledge, Microsoft Azure, Web Scraping, MongoDB

## PROFESSIONAL EXPERIENCE

**Amazon** | *Software Engineer Intern* | Minneapolis, MN

June 2024 - August 2024

- Developed and implemented a full-stack **generative AI**-powered text-to-SQL solution that converts plain text into SQL queries
- Created an algorithm to validate **SQL** query, optimizing performance by adjusting variables like temperature and model selection
- Analyzed filters to enhance query precision and improve model outputs across diverse data environments

**CodePath** | *Tech Fellow Staff* | Remote

June 2024 - August 2024

- Mentored students in software development, leading technical sessions and providing project-based learning support
- Guided students in coding best practices and real-world problem-solving

**Carleton College** | *Computer Science Course Staff and Lab Assistant* | Northfield, MN

September 2022 - March 2024

- Led in helping enhance understanding of fundamental theories of computer science of over 50 students weekly
- Delivered debugging feedback and grades to between 30-60 students for 1-3 weekly programming projects

**SayKid** | *Software Developer Intern* | Remote

June 2023 - September 2023

- Built a voice-controlled kids' game with Voiceflow, integrating Airtable and Google Sheets APIs to boost game variety by 7.5%
- Implemented a backtracking algorithm to enable users to return to specific points within the game flow for enhanced interaction

**Brightside Partners** | *Data Analyst Intern* | Baltimore, MD

June 2022 - September 2022

- Conducted blockchain research across 40+ sectors, analyzed investment terms for 50+ companies, and audited a Salesforce database with 1,000+ private investment records to provide actionable insights for the Investment Committee

## PROJECTS

**Chaos Engineering and Scalable Web Service** | *System Resilience Engineer*

Winter 2024 - Fall 2025

- Enhanced system resilience and scalability by implementing chaos engineering strategies, fault injection, stress testing
- Built a real-time status page hosted on Raspberry Pi for automated health monitoring, incident detection, and system performance

**LinkedIn Alumni Scraper** | *Systems Automation Engineer*

Winter 2024

- Developed an automated **Selenium** scraper to identify college alumni at target companies, organizing names, positions, and profile links into **JSON** files for streamlined outreach
- Designed and implemented a bot to track collected information and send personalized emails based on specific criteria

**Wordle** | *DevOps Engineer*

Summer 2023

- Employed Docker containers to efficiently host the Wordle clone application, providing a scalable and isolated environment
- Utilized **MongoDB** for data storage, flask for server functionality, and **HTML/CSS/JS** for the front-end

**Scheme Interpreter** | *Systems Software Developer*

Fall 2023

- Developed a Scheme interpreter in **C** from scratch, includes key components like parser, linked list, and value representation

**US Race Population Data Analysis** | *Full Stack Website*

Winter 2023

- Developed a full-stack interactive website to analyze and compare US state populations by race, integrating a **Flask** server, **PostgreSQL** database, and a dynamic frontend with **HTML**, **CSS**, and **JavaScript**

## CERTIFICATIONS & AWARDS

Certified Google Ads Specialist, Certified Software Technical Prep, National Honor Society, Medaled in CyberSecurity, All-MIAC, MYAS Winter Shootout Championship, All-American, All-Region