

# Darrel Abang

darrelaabang@gmail.com | (240) 484-0237 | Towson, MD

## OBJECTIVE

---

Computer science student seeking a government internship in the field of technology and defense, aiming to apply my programming skills, problem-solving abilities, and passion for innovation to contribute to impactful projects within the government or with government contractors.

## EDUCATION

---

### Bachelor of Science in Computer Science

May 2025

Towson University, Towson, MD

GPA 3.4

- Towson Honors College Scholarship

## RELEVANT COURSEWORK

---

- Object-Oriented Programming Language
- Data Structure and Algorithm Analysis
- Principles of Computer Organization
- Web-based Programming
- Database Management System

## RESEARCH

---

### Towson Inquiry Grants for Undergraduate Research in Summer Program

July 2022 – August 2022

- Faculty-led interdisciplinary project focused on human-computer interaction in the Baltimore area to map GPS routes within forested areas, enabling children to learn about their environment.
- Coded map to provide children with relevant facts as they navigated through the forest.
- Embedded popup quizzes in the map to assess knowledge retention and students' performance.
- Engagement and learning outcomes were ranked at the end of the route.

### Louis Stokes Alliance for Minority Summer Research Program

June 2023 – Present

- Analyzed and tested a neural network model capable of identifying and categorizing malicious files from binary images.
- Trained model to use over 700 images representing various types of malwares.
- Ensured that the test and validation sets contained a similar number of images for robust evaluation.
- Provided feedback to address compatibility issues, suggesting improvements to enhance code efficiency.
- Modified the code to accommodate different datasets, expanding its usability beyond the original dataset. My dataset was more diverse, necessitating code adjustments for compatibility.

## TECHNICAL SKILLS

---

**Programming:** JAVA, Python, CSS/HTML, JavaScript

**Certification:** CISCO Certified Technician (CCT Certification)

**Operating System:** Windows, Linux

## PREVIOUS EXPERIENCES

---

Bit by Bit Coding | Remote

### Facilitator

February 2023 - Present

- Utilized CodeSandbox to teach middle scholars the basics of coding in CSS/HTML/JavaScript so they could build personal projects.
- Facilitate group projects, like word guessing games and developing webpages.
- Practice and lesson plan before instructing students.

Outdoor Recreational Center, Towson University office of campus recreation.

January 2022 – Present

### Supervisor

- Oversee a team to ensure that the shift runs smoothly.
- Handle any conflict between coworkers or guests.
- Perform skills check for guest.