

# Matthew Hambrecht

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<https://github.com/0-Eclipse-0> | <https://linkedin.com/in/matt-hambrecht>

## Education

### **Bachelor of Science, Computer Science: Artificial Intelligence and Machine Learning Track**

**University of Maryland: Baltimore County**, Maryland

08/2021 – 05/2025

GPA: 3.89

### **High School Diploma**

**Oakdale High School**, Maryland

08/2017 – 05/2021

Weighted GPA: 4.66

## Projects

### **FaceSync** (Present) – <https://github.com/0-Eclipse-0/FaceSync>

C++ computer vision facial and body recognition program for Closed-circuit television (CCTV) security applications. Utilizes OpenCV, Haar Cascade Classification, and YOLOv4.

### **ScalpNotifier** (2023) – <https://github.com/0-Eclipse-0/ScalpNotifier>

Python-based multithreaded Facebook marketplace scalping program made using Selenium and BeautifulSoup for web scraping, SQLite3 for database management, and a Tornado Web Handler Graphical User Interface (GUI) made in HTML, CSS, and Bootstrap5.

### **AttendanceHandler** (2023) – <https://github.com/0-Eclipse-0/AttendanceHandler>

JavaFX GUI application for parsing through CSV (Comma-Separated Values) formatted student attendance data stored in a custom Multimap container made using a HashMap with LinkedList buckets.

### **SunnyPot** (2021) – <https://github.com/0-Eclipse-0/SunnyPot>

Honeypot made using sockets in Python with IP blacklisting, dynamic port configuration, configurable responses, and the ability to handle multiple concurrent connections.

## Skills

- Python, C++, Java, Ruby, JavaScript, React, React Native, TypeScript, SQL, OpenCV, TensorFlow, PyTorch, Flask
- Linux, Windows, MacOS, Unit Testing, Debugging, Data Structures, Object-Oriented

## Work Experience

### **Computer Science Teaching Fellow** (08/2022 – Present)

UMBC: CSEE, Baltimore, Maryland

- Instructed undergraduates in Data Structures, C++, Python, and Linux usage
- Tested and debugged student code in a Linux environment
- Assisted in development of unit tests through GoogleTest for the automated grading of assignments
- Graded assignments and projects, proctored exams, and managed a class of 20 students

### **Hiring Manager** (05/2022 – 08/2023)

Sonic Drive-In, Frederick, Maryland

- Oversaw a team of 20 staff members
- Orchestrated interviews and hiring decisions
- Managed hiring technology, Point of Sales (POS), and Card Reader systems, IoT ordering screens

## Awards and Honors

- Computer Science Promotion and Tenure Review Committee, Undergraduate Representative – 10/2023
- President's List, UMBC, Maintaining a 4.0 GPA – 08/2021
- Merit Scholastic Award, Oakdale High School, Graduating within top 5% of class – 05/2021
- High Honor Roll, Oakdale High School, Graduating with a 4.0 unweighted GPA – 05/2021

## Certifications

- Security+, CompTIA – 12/2021
- CIRT Associate, Center for the Integration of Teaching, Research, and Learning – 05/2023
- Maryland Scholar Certificate – 05/2021