

Bao-Huan Tran

Silver Spring, MD

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EDUCATION

The University of Maryland, Baltimore County

Expected: May 2027

Bachelor of Science in Computer Science

GPA: 3.55

- **Honors:** Merit Scholar
- **Scholarship:** Heritage Scholarship
- **Relevant Courses:**

Object-Oriented Programming and Design, Design and Analysis of Algorithms, Graphics for Games, Malware Analysis, Assembly Language and Computer Organization, Principles of Operating Systems, Intro to Linear Algebra, Physics II, Probability and Statistics

TECHNICAL SKILLS

Programming: C ++, Java, Python, C, Assembly, HTML, CSS, JavaScript, Node.js

Developer Tools: Eclipse, PyCharm, Visual Studio Code, Visual Studio, Git, Github, Bitbucket, Atlassian Tools (Jira, Confluence), Jenkins, Docker Daemon, Grafana, Prometheus, Mongo DB, Firebase, Linux, IDA Pro, Ghidra, x32 debug, FakeNet-NG, WireShark, Process Monitor

Languages: English and Vietnamese

PROJECTS

Personal Portfolio | *HTML, CSS, JavaScript, Node.js, Mongo DB*

Spring 2026

- My personal website portfolio to display and showcase my interests and accomplishments
- Learned and implemented Full-Stack development
- Tech Stack: Front End: *HTML, CSS, JavaScript*, Back- End: Node.js, Data Base: MongoDB, Version Control: Git, Github

Vending Machine Inventory Tracker | *HTML, CSS, JavaScript, Firebase*

Spring 2026

- A web-based dashboard for UMBC Campus Card to monitor vending machine inventory
- Added implementation to notify users of item stock, display graphs, logs, and analytics for item purchase history.
- Work with a small group of students to deploy and present the project

Airline Navigator | *C++*

Spring 2024

- A text-based application that allows users to manage airport routes and navigation
- Used a linked list to store the route and dynamically allocated a node class for each airport
- Implemented route customization feature such as reversing the linked list route and manually removing an airport

RetrieverBell | *Python*

Fall 2023

- Programmed a phone line switch-board system used to collect area codes and to connect calls from phone numbers
- Allowed a user interface with different commands to display, collect data, and connect phone numbers
- Implemented the use of dictionaries/hashmap, recursion, functions, arrays, and file loader

WORK EXPERIENCE

Software Engineer Intern at Northrop Grumman | **Baltimore, Maryland**

Summer 2026

- Worked with a group established engineers on an ongoing program
- Automated and optimized an application allowing for a faster run time
- Programmed and implemented the use of DLLs to help with optimization and code reuse
- Presented a capstone presentation in front of engineers and managers

Software Engineer Intern at Northrop Grumman | **Baltimore, Maryland**

Summer 2025

- Worked with a group of interns to develop an application
- Scum Master for daily stand ups
- Learned and implemented new developer tools
- Presented a capstone presentation in front of engineers and managers

Event's Manager at WMBC Freeform Student Radio | **UMBC**

December 2025 - May 2027

- Managed a group of staff to plan a variety of events
- Booked Artist and Venues for live concerts
- Managed the billing and payment of various events