

HONG THY NGUYEN

Orlando, FL | ho125066@ucf.edu | [Portfolio](#) | [LinkedIn](#) | [GitHub](#)

EDUCATION

University of Central Florida

Bachelor of Science in Computer Science (Accelerated B.S. to M.S.)

Dec. 2024
Orlando, FL

- **Overall GPA:** 3.99/4.0.
- **Relevant Coursework:** Topics in Cybersecurity, Intermediate Cybersecurity (sponsored by CodePath), Advanced Data Structures and Algorithms, Full Stack Development.
- **Awards:** NSF Flit-Gap Scholarship, Mayor Richard T. Crotty Transfer Scholarship, Dean's List (3.5+ semesters GPA, Spring 2023, Fall 2023).
- **Security Competition:** WiCys Security Training Scholarship – SANS BootUp Capture-the-flag.
- **Certificates:** AWS Certified Cloud Practitioner, AT&T Technology Academy 2023, Girls Who Code and Bank of America Work Preparation.
- **Extracurricular Activities:** WiCys, Girls Who Code, Google Software Development Club @UCF, Hack @UCF.
- **Volunteer Experience:** NAC-NAPC Volunteer @ The 2023 ICPC North America Championship.

Valencia College

Associate of Art

Aug. 2019 – May. 2022
Orlando, FL

- **Overall GPA:** 4.0/4.0.
- **Awards:** President's List (4.0 semester GPA, Fall 2019, Spring 2020, Fall 2020, Spring 2021, Fall 2021, Spring 2022).
- **Extracurricular Activities:** Valencia Technology Club, "Source Code" IT & Programming Club.

PROGRAMMING PROJECTS

Portfolio | JavaScript, Node.js, Next.js, React.js, Tailwind, Vercel, Resend,

[Portfolio GitHub Repo](#)

- Enhanced portfolio with unique UI design elements to deliver information effectively and captivate users' attention.
- Utilized Next.js for efficient server-side rendering and seamless web application development, resulting in **67 milliseconds** time to first byte.
- Managed emails effectively using Resend for automated responses and be able to handle **100 emails daily** and up to **3000 email monthly** free of charge, enhancing communication and personal branding efforts.

University Personnel Management Program | Java, OOP, List, Array List, IntelliJ IDEA.

[University Personnel GitHub Repo](#)

- Implemented Object-Oriented Programming principles to design and manage information for various professions within the university.
- Performed arithmetic calculations for tuition invoices and GPAs, significantly reducing processing time and minimizing errors compared to manual methods from **50% to 90%**.
- Produced detailed reports of university records efficiently by generating a text file, allowing users to retrieve stored data quickly and facilitating informed decision-making processes.

Wheel Deals | MongoDB, Express.js, React.js, Node.js, NoSQL, Figma, Flutter

[Wheel Deals GitHub Repo](#)

- Collaborated as the lead Web Frontend Developer in a team of 7 engineers to develop a website and mobile app for tracking popular cars and their depreciations, utilizing React.js and Bootstrap for a responsive and user-friendly interface, MongoDB for flexible and scalable data management, and working collaboratively with backend and mobile developers to ensure seamless integration and a consistent style across platforms.

Galatic Rolodex | Linux, Apache, MySQL, PHP, Figma

[Galatic Rolodex GitHub Repo](#)

- Collaborated as the lead Web Frontend Developer in a team of 5 engineers to construct a contact manager website, utilizing Figma, HTML, CSS, JavaScript and Bootstrap for a visually appealing space-theme UI, Postman for testing backend components, Git for version control, and working closely with backend developers to ensure successful

RELEVANT EXPERIENCE

University of Central Florida

Teaching Assistant, Supervisor: Dr. Tanvir Ahmed

Jan. 2024 – Present

- Hold office hours with **15 student attendance weekly**, grade programming assignments, help develop course materials, and offer critical learning feedback for C Programming and C Programming Honors with **250 students**.

UCF Knack Program

Jan. 2024 – Present

UCF Knack Tutor

- Assist UCF students studying in CS courses including Computer Science II, Computer Logic & Organization, and Security in Computing on a UCF-approved tutoring platform.
- Clarify advanced data structures and algorithms topics and course programming assignments, create tutoring materials, and advise students on learning strategies.

Lockheed Martin

Sep. 2024 – Oct. 2024

Software Engineer Intern

- Developed missile software in the Software Development Life Cycle, participated in a daily scrum, and collaborated with other software interns and Lockheed Martin managers.

Girls Who Code and Bank of America

Jul. 2023 – Aug. 2023

Work Preparation Participant

- Participated in a career readiness program focused on both technical and professional development workshops about **Cyber Awareness**, and **Threat Detection** with senior leaders and engineers at Bank of America.
- Led **10 computer science students** to develop a cyber incident response for hands-on cyberattack simulation, showcasing the application of theoretical knowledge in practical scenarios.
- Nominated as Closing Ceremony speaker out of over **125 participants** in the program.

SKILLS

- **Speaking Languages:** Vietnamese (Native), English (Native)
- **Programming Languages:** C, Java, Python, JavaScript, HTML, CSS, PHP, C#, Sass, jQuery.
- **Scripting Languages:** TypeScript, Tailwind.
- **Frameworks:** Next.js, React.js, Flutter, .NET, MERN, LAMP.
- **Tools:** GitHub, Git, REST APIs, Postman, Heroku, Figma, AWS Cloud, Azure, Firebase.
- **Database:** SQL, NoSQL, MongoDB, Firebase.
- **Cybersecurity skills:** Wireshark, Nmap, Splunk, SIEM, Linux, Catalyst, Wazuh. FTP, nginx, NIST IR Framework, SOAR, HUNT. Incident Response and Network Analysis.
- **Development Practices:** UI/UX Application Development, Server Logic Development, Product-driven Software Engineering, Agile, Scrum, TDD, SDLC, Relationship Mapping.