

Alex Nguyen

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OBJECTIVES

Computer Science student with hands-on experience in software engineering, AutoCAD drafting, with a true interest in AI and process improvement. Seeking an entry-level role to apply programming, system design, and problem-solving skills to real-world products.

SKILLS & ABILITIES

Languages: Java, C, Python, x86 Assembly, Rust, Ruby, Node.js

Concepts: Data structures, Operating Systems, Full Stack Web development, Software Engineering, Machine Learning

Technologies: Linux, Git, Bootstrap

LANGUAGES

- French Native
- Spanish Intermediate
- English Fluent
- Vietnamese Intermediate

EDUCATION & CERTIFICATIONS

James Madison University, Harrisonburg, VA

Aug 2024 - Dec 2026

Bachelor of Science in Computer Science, **Cumulative GPA: 3.8**

Blue Ridge Community College, Weyers Cave, VA

January 2022 - May 2024

Associate of Science Degree in Computer Science, **Cumulative GPA: 3.721**

Microsoft Certified: Azure AI Fundamentals

Aug 2026

Demonstrated fundamental level knowledge of AI services and how those services are provided with Microsoft Azure and Foundry.

WORK HISTORY

ONeil Engineering Services INC. – Software & Electrical Engineering Intern

June 2026 - Aug 2026

- Designed and revised apartment layouts and building plans in AutoCAD for active engineering projects.
- Increased team efficiency by 23% by streamlining time-intensive drafting and plan-update workflows.
- Provided programming support for engineering systems while collaborating with engineers to deliver accurate technical solutions.

James Madison University – Center for Global Engagement (CGE)

July 2025 - Ongoing

- Provided front-desk and administrative support to students, faculty, and international visitors while assisting with events and student programs.
- Managed data entry, document digitization, and confidential files while supporting research, data organization, and digital content projects.

ACADEMIC PROJECTS

• **Recipe Management System for Smart Kitchens:**

github.com/alex-ng10/KLowBites

- Led the design, development, and deployment of a recipe management platform, integrating with smart kitchen devices.
- Maintained Agile workflows, including backlog management, task assignments, and stakeholder negotiations, ensuring timely delivery

• **Rotten-Avocados**

github.com/alex-ng10/rotten-avocados

- Full-stack movie discovery app using TMDB API for trending and top-rated data including real-time search and filtering with responsive UI for quick exploration
- Collaborative group project with React frontend and Node.js / FastAPI backend

EXTRACURRICULAR PROJECTS

- Real-Time Object and Human Recognition: Engineered an AI system to detect and track humans and objects (e.g., backpacks, phones, watches) in real-time, with practical applications in security and retail.
- Deepfake AI Development: Developed an AI model to generate realistic deepfake videos by overlaying student faces on famous clips, highlighting expertise in computer vision and addressing ethical considerations in AI.
- Facial Recognition Awareness AI: Created an AI solution to track individual faces and raise awareness about privacy concerns and unethical corporate surveillance practices.