

Minh (Andrew) Nguyen

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EDUCATION

Oklahoma City Community College
Associate in Science/Software Development
Honors: Vice President's Honor Roll

Oklahoma City, OK
Aug. 2020 - May 2022

University of Massachusetts Boston
Bachelor of Science in Computer Science

Boston, MA
Aug. 2022 - May 2025

WORK EXPERIENCE

MVINIX Corporation
Technical Intern

San Jose, CA
May 2023 - July 2023

- Worked in an engineering team of five, PCB managed, and quality assurance procedures using automation.
- Coordinated with production to test and ensure adherence to project timelines, evaluating PCB efficiency.
- Debugged automated machines for high-volume production of Printed Circuit Board Assembly for Intel and SafeTrust.

PROJECTS

RSA Cryptosystem - Python

- Constructed Rivest-Shamir-Adleman cryptosystem to encrypt and decrypt users' data like bank ATM, text messages, and files.

Autocomplete - Java

- Implemented an autocomplete feature to predict the complete query when the user types.
- Constructed in a personal website when users type in the Question section for the owner.

MoonScape - Java

- Worked in a team of four to develop, refactor, and design the frontend and backend of MoonScape.
- A game engine built from scratch that uses ray casters to create a 3D illusion from a 2D grid.

Summer Q&A's Website - HTML/CSS, Javascript

- Developed a personal website with fill-in UX/UI to ask users about places to eat in different countries.
- Wrote production HTML/CSS and JavaScript to build a responsive and interactive home page with sidebars.

Brick Buster - HTML/CSS, Javascript

- Developed Atari Breakout-inspired game in WebGL, implementing custom graphics without a framework.

MentalSphere - HTML/CSS, Javascript

- Developed an interactive 3D globe that brings mental health into focus.
- Built with Three.js and utilizing real-world statistics, users can explore global data on depression rates through a colorful and intuitive interface, allowing them to see the varying mental health realities across countries and regions.

SKILLS

Technologies: Proficient in Python, Java, C++, HTML/CSS, JavaScript, Swift, React, Git; previously used MATLAB, Racket, Coq.

Languages: English (Fluent), Vietnamese (Native), Spanish (Conversational)

Musical Instrument: Dan Bau (Vietnamese monochord instrument).

INVOLVEMENT

Robotic & Engineering Club: UMass Boston's Robotic & Engineering Club member.

Vietnamese Red Cross Organization: Coordinator of Volunteers. Main musical instrument performer to more than 100 children in the Vietnamese orphanage.

Just Between Friends Franchise System: Personal assistant for one of the Oklahoma branch's most prominent sales organizations.