

Nhut M. Nguyen

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U.S. Citizen

EDUCATION

Arizona State University

Aug. 2023 - May 2024

M.S., Computer Science

- GPA: 3.67
- Coursework: Semantic Web Mining, Distributed Database Management, Data Visualization

Arizona State University

Aug. 2019 - May 2023

B.S., Computer Science

- GPA: 3.76
- Coursework: Data Structures and Algorithms, Operating Systems, Machine Learning

PROFESSIONAL EXPERIENCE

Hanwha Qcells: Digital Intern

June 2022 - Aug. 2022

- Developed a robust API server using Spring Boot Java framework and Postman API that facilitated efficient data exchange between a SQL database and a third-party system
- Delivered a comprehensive system solution with scalable architecture that meet the team's requirements
- Integrated security protocols to enhance data retrieval processes of databases, safeguarding information and reducing unauthorized access
- Applied agile software development process using tools like Jira, BitBucket, and Confluence

PROJECTS

Video Conferencing Application User Interface

May 2023

- Worked with General Dynamics to develop a user interface for secure video conferencing application using QT framework
- Delivered an intuitive user interface that provides usability, accessibility, and reliability
- Engineered an innovative feature that allows users to enter a separate call for private meetings

Movie Recommender System

May 2023

- Designed and developed a movie recommender system with the MovieLens dataset using state-of-the-art algorithms like matrix factorization and collaborative filtering with a 90% accuracy model
- Collaborated with 3 team members to develop an important project and learned fundamental machine learning principles

Office Automation System for Pediatric Doctor's Office

Dec. 2021

- Created an automation system for doctors and nurses to use in a pediatric office leveraging object-oriented programming techniques with Java, JavaFX, and SQL
- Decreased paperwork and increased accessibility for the patients

Project Spyn Car

Dec. 2019

- Collaborated in a team project to design a self-driving LEGO car that would be used in a car-sharing service for elderly and handicapped individuals
- Utilized MATLAB to write an autonomous script and used real-life models, cost, and manufacturing processes to produce the LEGO car

EXTRACURRICULAR

Software Developer Association (SoDA): Officer

Aug. 2021 - May 2023

- Collaborated with a team to organize and host a code challenge for 150 attendees with a \$2000 prize
- Attended weekly meetings to learn about computer science topics and network with peers

Vietnamese Student Association (VSA): Executive Board Member

Aug. 2020 - May 2021

- Worked in a team of students, met weekly to discuss ideas, organized meetings to present and bring together Vietnamese cultures and traditions to 300 club members

SKILLS

Programming Languages: Java, C/C++, Python, SQL, MATLAB, JavaScript, Kotlin

Operating Systems: Windows, Linux/Unix, Android OS

Framework & Tools: AWS, QT, Jira, BitBucket, Docker