Minh Ngo

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EDUCATION

University of Central Florida   January 2021 – December 2023
Bachelor of Science in Computer Science - GPA: 3.92   *Orlando,FL*
Valencia College   August 2018 – December 2020
Associate's in Arts -GPA: 4.0   *Orlando, FL*

Honor: National Society of Leadership and Success; President's Honor Roll Certificate; Fall 21, Spring 22 Dean's List
Coursework: Data Structures and Algorithms I and II; Object Oriented Software Development; AI:Machine Learning

EXPERIENCE

Software Engineer Intern   May 2023 – August 2023
L3Harris   *St. Petersburg, FL*
- Collaboratively engaged in the design of an UI using **JavaScript, React, Python** and **REST APIs** to interact with Cockpit Voice Recorder and Flight Data Recorder collected from Flight Data Monitoring and Flight Operations Quality Assurance readout to enhance data analysis capabilities and improve user interaction
- Performed serverless architecture on **AWS(Lambda, Elastic Container Service)** with **Docker** and **Terraform** to efficiently deploy and manage resources, optimizing scalability and reducing infrastructure management
- Facilitated a GUI testing tool to optimize software evaluation with parallel execution and cross-platform testing

PROJECTS

Photovoltaic Performance Analysis   January 2023 – December 2023
- Conducted teamwork in utilizing **Python** and **Dash framework** to architect local dashboard/UI for solar school performance analysis enable clients to assess their time series data locally
- Integrated interactive maps using **Folium** and **Leaflet** to enhance the user experience with hover options and detailed pop-up information for each locations presented in the database
- Formulated Python package methods signatures allow users to preprocess, analyze, and visualize their datasets

Spotify MERN Stack Web/Mobile Application   December 2022
- Constructed the full-stack application to access in-depth insights of user's Spotify listening history
- Utilized Spotify's API, **Node.js, React, and MongoDB** allow users to connect their account to view their most played artists and songs
- Leveraged the Android/iOS App using **React Native** to give access to user's records of their Spotify accounts

Professor Contact Management   August 2022-October 2022
- Developed a webpage with **JavaScript** and **HTML** enabling login, sign up and execute standard CRUD actions
- Implemented a search page with **CSS** that can access to the contacts existed in the database that are constructed with **MySQL** and present it to the table for enhanced data administration

QandA Mobile App - The RU Hacks 2022   May 2022 – June 2022
- Implemented the usage of OpenScreen API to enable the scannable QR code granting users the ability to interact by formulating daily questions and answers
- Executed the utility on the mobile development for user using **React Native** and **Android Studio** to scan the QR code to establish connections with nearby individuals for the purpose of asking questions anonymously

Kaggle Competitions for Machines Learning   August 2021– December 2021
- Predicted ESRB for games with a **85.4%** accuracy comparing Logistic Regression, Decision Tree, and SVM models with Python libraries Numpy, Pandas and Seaborn to generate the data
- Verified the ground state atomization energies of **16,242** molecules by implementing Multilayer Perceptron
- Analyzed a total of **784** pixels data to anticipate the class of various images with Convolutional Neural Networks

TECHNICAL SKILLS

Languages: Java, Python, C, C++, JavaScript, TypeScript, HTML, CSS, Kotlin
Databases: MySQL, MongoDB
Framework: React, React Native, Node.js, Next.js, Three.js, Tailwind CSS, Angular, Dash, Folium, Leaflet
Technology: AWS, Git, Docker, Kubernetes, Terraform, Android Studio, Linux, Figma
Project Management: Agile/SCRUM