Ronald Nguyen

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Self-motivated and detail-oriented computer science student seeking a Software Engineering or related Internship

EDUCATION

Northeastern University | 3.9/4.0 GPA September 2024 – December 2026

Bachelor of Science in Computer Science and Business Administration *Boston, MA*

Relevant Coursework: Fundies 1 and 2, Database Design

Organizations: Vietnamese Student Association, Northeastern Lion Dance

University of Massachusetts at Lowell | 3.9/4.0 GPA September 2023 – May 2024

Bachelor of Science in Computer Science w/ Data Science Concentration *Lowell, MA*

Relevant Coursework: Data Structures, Discrete Structures, Linear Algebra

Academic Honors: Fall 2023 Chancellor's List, Spring 2024 Dean's List

TECHNICAL SKILLS

Languages: JavaScript, Python, SQL, C/C++, PHP, Racket

Frameworks: React, Bootstrap

Technologies: Git/Github, VSCode, Xcode, IntelliJ

WORK EXPERIENCE

Web Development Intern | JavaScript, PHP May 2024 – August 2024

Imperial Lion Dance Team *Worcester, MA*

- Assisted in developing responsive, mobile-first web pages using JavaScript
- Maintained existing web pages using PHP, improving site functionality and addressing bugs efficiently.
- Collaborated with designers to implement front-end components, ensuring a consistent brand style and optimized performance
- Used Git for version control and participated in code reviews to enhance team collaboration

PROJECTS

Flappy Bird Game | Python, OOP October 2024

- Developed the classic Flappy Bird game using Python and the Pygame library to implement rendering logic, event handling, and state management.
- Created modular classes for game objects, including Flappy Bird, pipes, background, enabling easy updates and efficient scaling
- Optimized the game for real-time performance with smooth transitions and responsive controls

NBA Player Position Prediction | Python, Scikit-Learn October 2024

- Implemented the Machine Learning algorithm K-Nearest Neighbors to classify NBA players into positions based on their in-game statistics
- Preprocessed a dataset containing 657 NBA players and their regular season statistics aiming to normalize data and reduce unit variance
- Optimized the algorithm based on desired traits, aiming for increased accuracy so that eventually it could predict an NBA player's position at an average accuracy of 75.6%.

iOS Reminders Application | JavaScript September 2024

- Designed a user-friendly interface replicating the built-in iOS application, Reminders
- Built a dynamic reminder system using JavaScript, enabling users to create, display, and manage reminders with real-time date and time updates
- Implemented interactive notification elements using DOM manipulation, allowing users to toggle reminder statuses and dynamically display event details

CERTIFICATIONS

JavaScript Algorithms and Data Structures - FreeCodeCamp

Responsive Web Design - FreeCodeCamp

Python for Everybody - Coursea