Tony Ngo

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OBJECTIVE: Seeking an opportunity to gain practical experience in software engineering while contributing to a dynamic team.

EDUCATION

The University of Texas at Austin | Austin, TX   May 2025
Bachelor of Science, Computer Science
> GPA: 3.89
> Minor in Business
> Relevant Coursework: Data Structures, Algorithms, Machine Learning, Object Oriented Programming

SKILLS

Technical Skills: Java, C++, Python, Clojure, C, HTML, CSS, JavaScript, Unity Game Engine, Microsoft Office; Exposure to React, Express, MongoDB
Tools: Git, Visual Studio Code, Eclipse, PyCharm, IntelliJ, Valgrind, Doxygen, GoogleTest, CI/CD
Certifications: Full Speed Python (2023), Responsive Web Design (2024), JavaScript Algorithms & Data Structures (2024)

PROJECTS

Personal Planner App | C++, Qt   June 2024 – Present
- Developed a personal planner application using C++ and the Qt framework, demonstrating strong software development skills and proficiency in cross-platform GUI development.
- Designed and implemented core features including event scheduling and task management, providing users with an intuitive and efficient planning tool.
- Transitioned the project from a command-line interface to a full-featured graphical user interface (GUI) using Qt, significantly enhancing the user experience and visual appeal.

Flappy Bird Artificial Intelligence | Python, NEAT, Pygame   December 2023
- Created an AI-driven Flappy Bird clone using the NEAT (NeuroEvolution of Augmenting Topologies) algorithm, showcasing interest in machine learning and evolutionary algorithms.
- Implemented the NEAT neural network to enable real-time learning and optimization of bird movement strategy, demonstrating a strong understanding of AI principles.
- Integrated Python libraries such as Pygame for game development and visualization, highlighting proficiency in Python-based game development frameworks.

Personal Website | HTML, JavaScript, CSS   August 2023 – Present
- Planned and created a personal website using HTML, JavaScript, and CSS, showcasing interest in web development and front-end technologies.
- Employed CSS to style and customize the website's layout, fonts, and colors, reflecting a modern and professional aesthetic.
- Continuously updating and maintaining the website to reflect the latest projects, skills, and achievements, showcasing a commitment to professional growth.

EXPERIENCE

Beyond Burrito | Austin, TX   September 2021 – December 2021
Student Assistant
- Catered to a variety of customer needs in a fast-paced environment and delivered quality service.
- Collaborated with team members to dynamically modify menu items in response to customer preferences.
- Processed an average of $2,000 in daily customer transactions.

NASA VIPS | Lewisville, TX   June 2021 – August 2021
Summer Coach
- Coached high school students in critical thinking through NASA HUNCH projects.
- Collaborated with peers to enhance projects with NASA engineer feedback.
- Ensured seamless cross-team cooperation with fellow coaches.

ACTIVITIES

Vietnamese Student Association | *Member* **|** Austin, TX   August 2021 – May 2023