Tan Thai

Tampa, Florida (Open to Remote) (727) 210-9462 | tanthai028@gmail.com
linkedin.com/in/tanthai028 github.com/tanthai028 | devpost.com/tanthai028

SUMMARY

Adaptable software engineer with hands-on experience in Agile development, systems automation, and full-stack web applications. Familiar with multiple programming languages and tools, committed to delivering high-quality projects. Eager to bring a versatile skill set and a passion for rapid learning to a dynamic team

EDUCATION

University of South Florida (USF)	Tampa, FL
Computer Science, B.S.	Expected May 2024

Overall GPA: 3.46/4.00

TECHNICAL SKILLS

Front-End: React.js, JavaScript, HTML, CSS
Back-End: Python, C, C++, C#, Java, Spring Boot, SQL, JDBC, REST API, DXL
Testing/Deployment: AWS EC2, Jest, Postman, Terraform, Jenkins, MSTest
Developer Tools: Agile, Kanban, Bitbucket, Git, IntelliJ, Microsoft Visual Studio [2019, 2024], Jira, Maven, Node.js, NPM

SOFTWARE ENGINEERING APPLICATIONS

Neuro-Machine Interaction Lab Volunteer | University of South Florida — Spring 2024
Unicorn Brain Drone — *Python | Neuropype*
- Worked with a PhD Graduate Research Assistant to integrate and streamline code for real-time EEG data and drone control
- Wrote **Python** code to control Unicorn Brain Drones flight using **TELLO API** and **Neuropype**
- Extracted and utilized beta waves from EEG data to control the drone's speed based on level of focus

System Engineer Intern | GE Aerospace — June 2023 – August 2023
Systems Automation & Data Analysis — *DXL | Python | Jenkins*
- Collaborated in Tools and Simulations **Kanban** team to design and develop software modules for aerospace systems
- Implemented automation solutions using **DXL**, enhancing workflow efficiency and build times
- Developed **Python** scripts for **Jenkins** automation, streamlining task execution
- Successfully learned and maintained **CI/CD** pipelines using Jenkins, improving deployment processes

System Engineer Co-op | GE Aerospace — September 2022 – December 2022
Windows Application Test Executer — *MSTest | C# | .NET Framework*
- Collaborated with a Senior Lead Engineer to design and develop a **full-stack** software solution for aerospace applications
- Created a **UML** class diagram to plan the application's architecture, setting the foundation for development
- Focused on backend development in **C#**, leveraging existing code to accelerate development and ensure consistency
- Wrote targeted unit tests using **MSTest**, laying the groundwork for future code coverage improvements

Software Engineer Intern | JPMorgan Chase & Co. — June 2022 – August 2022
Disputes Web Application Data Visualizer — *React.js | JS | REST API | JDBC | SQL | AWS | Terraform*
- Collaborated with an Agile **team of 5** to design and develop a **full-stack** web app for **data visualization**
- Designed base UI template and search page, and implemented a dynamic drill-down dialog for data retrieval from an **RDS**
- Utilized **REST API** for mock **JSON** database testing, enhancing efficiency in the initial development and testing stages
- Successfully transitioned to an AWS database with **SQL** and **JDBC**, boosting efficiency in deployment and maintenance

SwampHacks Hackathon | University of Florida (UF) — Spring 2021
Finance & Budgeting Web App — *React | JS | Node.js | HTML | CSS*
- Collaborated with a **team of 4** to design and develop a finance education platform using **React.js**, **HTML**, and **CSS**
- Engineered a user-centric web interface, leading to increased user engagement and positive feedback
- Utilized the project for personal growth, refining both technical skills and soft skills such as communication and teamwork