TUYEN NGOC TRAN

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PROFESSIONAL SUMMARY

Senior Computer Engineering student at UCF with hands-on experience in real-time (ESP-WROOM-32, MSP430) and embedded systems. Seeking Summer 2026 engineering internship to apply technical expertise and teamwork to solve complex challenges.

EDUCATION

University of Central Florida   **Orlando, Florida**
Bachelor of Science in Computer Engineering   December/2026
- Relevant Coursework: Computer Science, Computer Networking, Embedded Systems, Object-Oriented Software Development
- Dean's List (Spring 2024)   GPA: ~3.1
- Minor: Vietnamese

Seminole State of College   **Sanford, Florida**
Associate in Arts Degree   May/2021

PROJECT EXPERIENCE

Contact Manager Website Development: Processes for Object-Oriented Software Development   Summer/2025 - present
- Built responsive contact manager app with HTML, CSS, and JavaScript in a 3-member team.
- Developed intuitive UI for adding, editing, searching, and deleting contacts, enhancing user experience.
- Implemented data persistence using localStorage.

Ingredients Imposter (React App): Processes for Object-Oriented Software Development.   Summer /2025 – present
- Co-developed React app with MongoDB backend and Google Cloud hosting.
- Created a real-time ingredient substitution engine based on category and nutritional matching.
- Automated CI/CD pipeline to streamline deployment processes.

Microcontroller, Embedded System   January/2025 – April/2024
- Programmed and debugged C code using Code Composer Studio (CCS).
- Utilized MSP430 peripherals like timers for blinking effects
- Implemented UART, I2C, SPI communication protocols for efficient device integration

ESP-WROOM-32: Real-time System   August/2024-December/2024
- Programmed and debugged real-time applications leveraging ESP-WROOM-32's dual-core architecture
- Integrated peripheral interfaces for efficient communication and system control

SKILLS

- **Programming languages**: C, Java, HTML
- **Software**: Code Composer Studio (CCS), Visual Studio Code, MIPS, Multisim, Microsoft Office Suite
- **Language**: Fluent in Vietnamese

WORK EXPERIENCE

Nail Technician – Self-Employed / Local Salon, Orlando, FL   June *2013 – November 2023*
- Demonstrated strong customer service skills, fostering long-term client loyalty through effective communication and professionalism.
- Efficiently managed appointment scheduling and maintained service quality in a dynamic, fast-paced environment.
- Collaborated with team members to ensure smooth salon operations and a positive customer experience.
- Recognized for reliability, a friendly demeanor, and respectful client interactions.

STRENGTHS

- Excellent communication and interpersonal skills
- Quick learner with high adaptability
- Strong time management and teamwork abilities
- Friendly, respectful, and service-oriented approach

ADDITIONAL INFORMATION

- GitHub Portfolio: https://my-portfolio-navy-two-58.vercel.app
- GitHub link: https://github.com/tt-202
- Available for part-time roles, internships, and technology-focused positions