TUAN NGUYEN BA

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SUMMARY

Skills and Competencies

- Solid foundation in electronics, signal processing, and telecommunication systems.
- Proficient in programming languages and techniques for engineering applications.
- Hands-on experience in practical electronics, including digital electronics, microcontrollers, and network systems.
- Knowledgeable in data communication, wireless communication, and biomedical electronics.

Key Academic Achievements

- Achieved high scores in Programming Techniques (8.5), Basic Electronics Practice (8.5), and Microcontroller Practices (9.4).
- Successfully completed advanced courses in Digital Signal Processing, Wireless Communication, and Telecommunication Systems.
- Developed practical solutions through laboratory courses in Communication Systems, Data Acquisition, and Logic Circuit Design.

Extracurricular Activities

- Participated in technical workshops and projects related to embedded systems and wireless technologies.
- Engaged in cross-disciplinary learning in environmental studies, entrepreneurship, and critical thinking.

EDUCATION

Bachelor of Design in Process Engineering   **Jul 2021 - Jul 2025**

University of Science, Ho Chi Minh City

- Major in Telecommunications and Electronics.

TECHNICAL SKILLS

- Electronics Design & Testing: Proficient in designing and testing analog, digital, and embedded systems.
- Programming: Skilled in C, Python, and MATLAB for engineering applications.
- Signal Processing: Knowledge of digital and analog signal processing techniques and tools.
- Telecommunication Systems: Understanding of wired and wireless communication systems, including networks and data transmission protocols.
- Embedded Systems: Experience in working with microcontrollers, including programming and interfacing.
- Circuit Analysis & Design: Competent in analyzing and designing electronic circuits using tools like Multisim and Proteus.
- Hardware Description & Simulation: Skilled in using Quartus and Synopsys for FPGA design, circuit simulation, and hardware testing.
- Network Technologies: Familiar with basic computer networking and communication protocols.

Soft Skills

- Problem-Solving: Ability to analyze and troubleshoot complex technical issues.
- Collaboration: Experienced in working on team-based projects and laboratory assignments.
- Communication: Effective technical reporting and presentation skills, including writing in English.
- Adaptability: Eager to learn new technologies and adapt to evolving engineering challenges.