Nasir Aguilar

Embedded Software Engineering Intern

(214) 555-1234 nasir.aguilar@example.com
linkedin.com/in/nasiraguilar 1234 Elm Street, Dallas, TX 75201

STRENGTHS

Team Collaboration
Leveraged teamwork skills during both internships, contributing significantly to group projects.

Problem Solving
Faced and overcame real-world challenges through innovative approaches in software debugging.

Technical Documentation
Effective in creating clear documents guiding end-users through complex engineering concepts.

Adaptability
Quickly adapted to varying project demands and technologies during multiple internship roles.

Attention to Detail
Consistently demonstrated keen attention to detail while coding and testing embedded systems.

SKILLS

Embedded Systems Design

C/C++ Programming

Debugging and Troubleshooting

Technical Documentation

Team Collaboration

Hardware Integration

Software Testing

Microcontroller Programming

Code Optimization

Software Development

Documentation Creation

Cross-Functional Teamwork

SUMMARY

Aspiring Embedded Software Engineer committed to technical excellence and innovation. Currently pursuing a Bachelor's in Electrical Engineering. Collaborating with diverse teams fuels creativity, enhancing problem-solving skills. Successful hands-on experience in designing and testing embedded systems. Passionate about integrating software with hardware, I thrive in fast-paced environments that challenge my analytical abilities. My C/C++ programming knowledge empowers me to craft efficient code for microcontrollers. Eager to contribute to impactful projects at Innovative Tech Solutions, I aim to further enhance my skills while making meaningful contributions to industry challenges.

EDUCATION

Bachelor's Degree in Electrical Engineering

University of Texas at Austin GPA: 3.8 2024 Austin, TX

Coursework: *Embedded Systems, Programming, Digital Circuits, Microcontrollers*

TECHNICAL SKILLS

- **Programming Languages:** C, C++
- **Development Tools:** Eclipse, Visual Studio
- **Embedded Platforms:** Arduino, Raspberry Pi
- **Operating Systems:** Linux, Windows
- **Version Control:** Git
- **Simulation Tools:** MATLAB, Simulink
- **Testing Frameworks:** Google Test, Unity
- **Circuit Design Tools:** Altium, Eagle
- **Project Management:** Trello, JIRA
- **Collaboration Tools:** Slack, Microsoft Teams

EXPERIENCE

Embedded Software Engineer

Tech Innovations Inc. June 2024 - Present Houston, TX

Focused on developing embedded software applications for microcontroller systems. Engaged actively in collaboration with engineers to optimize integration of hardware-software components, aiming for enhanced functionalities in smart devices.

- Developed embedded software for various microcontroller-based products
- Collaborated with hardware engineers ensuring seamless system integration
- Contributed towards optimizing existing software for performance improvements
- Supported the refinement of internal processes to enhance team efficiency

Embedded Software Intern

Digital Dynamics LLC January 2023 - May 2024 Fort Worth, TX

Assisted in designing and testing embedded systems tailored for consumer electronics. Collaborated closely with cross-functional teams to troubleshoot integration issues between software and hardware.

- Wrote and debugged efficient C/C++ code for embedded applications
- Participated in troubleshooting activities bridging hardware and software
- Assisted in creating technical documentation including user guides
- Collectively contributed to timely completion of project milestones

Problem Solving

System Integration

Communication Protocols

Analytical Skills

LANGUAGES

English — Native

Spanish — Intermediate

MY CAREER

- Embedded Software Engineer at Tech Innovations Inc. (2 Years)
- Embedded Software Intern at Digital Dynamics LLC (1.3 Years)
- Academic Research Assistant at University Project (3 Months)

Academic Research Assistant

University Project | September 2022 - December 2022 | Austin, TX

Engaged in research focusing on embedded software applications within the academic context. Worked closely with faculty to design and analyze project methodologies, aiming for practical implementations.

- Conducted thorough literature reviews relevant to embedded systems
- Assisted faculty in conducting experiments involving hardware prototypes
- Created comprehensive reports detailing findings and potential applications
- Supported peers in collaborative aspects of research assignment

LEADERSHIP & AWARDS

- Dean's List recognition for outstanding academic performance.
- Recipient of the University Engineering Scholarship for outstanding merit.

CERTIFICATIONS

- Certified Embedded Systems Engineer 2025
- C/C++ Programming Certification 2024

PROFESSIONAL AFFILIATIONS

- Member of the IEEE Student Branch, facilitating discussion on advancements in engineering.
- Active participant in university's Robotics Club, showcasing teamwork and leadership skills.

ADDITIONAL INFORMATION

Work Status : Authorized to work in United States. No sponsorship required.

REFERENCES

AVAILABLE ON REQUEST