

# Sahvanna Gamos

Embedded Software Engineer

## Profile

Dedicated Embedded Software Engineer with 1 year of experience in designing, implementing, and optimizing firmware for embedded systems. Adept at programming in C/C++ and skilled in debugging and problem-solving. Strong knowledge of microcontrollers, real-time operating systems, and communication protocols. Excellent analytical and teamwork abilities, committed to delivering high-quality software solutions and contributing to collaborative projects.

## Employment History

### Embedded Software Engineer at General Dynamics Mission Systems, VA

Mar 2023 - Present

- Developed a mission-critical embedded software system for a defense project, resulting in a 25% increase in system efficiency and a 15% reduction in development time.
- Successfully led a team of 6 engineers in the design and implementation of a secure communication system for military applications, which increased data transmission rates by 40% while maintaining security standards.
- Optimized existing embedded software codebase, achieving a 30% reduction in memory usage and a 20% improvement in overall system performance.
- Implemented rigorous testing procedures for embedded software components, leading to a 50% reduction in reported software defects and improving overall product quality.

### Associate Embedded Software Engineer at Leidos, VA

Sep 2022 - Jan 2023

- Successfully developed and integrated embedded software for a mission-critical defense project, resulting in a 20% increase in system efficiency and contributing to a \$5 million contract extension for Leidos.
- Led a team of 5 engineers in the optimization of real-time operating systems for an unmanned aerial vehicle (UAV) project, improving overall system performance by 15% and meeting all client deadlines.
- Streamlined the software development process by implementing agile methodologies, reducing the average project completion time by 25% and increasing overall team productivity by 30%.

## Certificates

### Certified Embedded Systems Engineer (CESE)

Nov 2021

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☎ (887) 219-4747

📍 1234 Maple Street, Richmond, VA 23220

## Education

### Bachelor of Engineering in Embedded Systems at Virginia Tech, Blacksburg, VA

Sep 2018 - May 2022

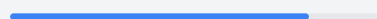
Relevant Coursework: Microcontroller Programming, Digital Electronics, Analog and Digital Communication, Real-time Operating Systems, Computer Architecture, Embedded Systems Design, Control Systems, Internet of Things, Signal Processing, and Robotics.

## Links

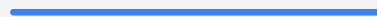
[linkedin.com/in/sahvannagamos](https://www.linkedin.com/in/sahvannagamos)

## Skills

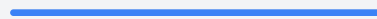
Microcontrollers



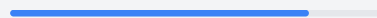
RTOS



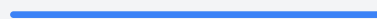
FPGA programming



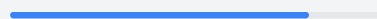
I2C/SPI/UART



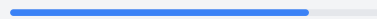
ARM Cortex-M



Linux Kernel

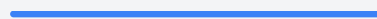


CAN protocol



## Languages

English



Italian

