

CAMERON GILBERTSON

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OBJECTIVE

Undergraduate student at Iowa State University seeking a post graduate position in the summer of 2026.

EDUCATION

Iowa State University

August 2022 – May 2026

Bachelor of Science in Computer Engineering (GPA 3.79/4.0)

University of Honors Program Member

PROFESSIONAL EXPERIENCE

Collins Aerospace

Software Engineer Internship – Integrated Air Data Systems Team, Burnsville MN

May 2025 – August 2025

- Used Visual Studio to create GUIs in C# for operators to test and fix issues with devices on test stations
- Created DLLs in C# that interacted with Test Stand to automate fixing issues during testing
- Read datasheets about the API for the devices on the test stations
- Wrote meaningful comments and documentation for maintainability
- Helped organize events outside of work with the other interns

Avionics Test Engineer Co-op – Avionics Test Engineering Displays Team, Cedar Rapids IA

May 2024 – December 2024

- Helped design and debug test solutions to be used in production for testing display products before delivery to the customer
- Worked with professionals in the industry as a team to overcome technical challenges
- Learned about the different aspects of projects lifecycle in industry
- Wrote and modified test solution C# code in Visual Studio
- Used industry best practices when modifying files in Tortoise SVN

Iowa State University, Department of Electrical and Computer Engineering, Ames IA

Teacher Assistant – CPRE-281 (Digital Logic)

August 2023 – May 2024

- Lead a recitation of around 24 students discussing various topics covered in lecture such as Boolean algebra simplification, circuit simplification using K-Maps, and 2's complement.
- Worked with another teaching assistant to run a lab section that applied topics covered in class.
- Helped guide students towards success while applying their knowledge.

Research Assistant – Machine Learning

January 2023 – May 2023

- Used an engineering mindset to solve problems that involved machine learning.
- Implemented algorithms like K-means Clustering to complete unsupervised machine learning.
- Applied the MNIST data set to perform tasks using supervised machine learning.
- Communicated effectively with my peers as well as my professor to improve productivity.

PROJECTS

CPRE-288: Embedded Systems

Autonomous Ice Cream Delivery Truck

- Programmed a microcontroller attached to a Roomba in C.
- Developed methods of object detection using IR and PING sensors.
- Created and Debugged decisions tree regarding object detection and movement.

Independent Project

Automatic Door Closer using an Arduino

- Programed in C++ to an Arduino to control a stepper motor using input from an infrared sensor.
- Designed a casing for the stepper motor as well as for the infrared sensor.

TECHNICAL SKILLS

Programming Languages - Java, C, C#, C++, Python

Software – Google Suites, Microsoft Office, Intel Quartus, PuTTY, Questa Model Sim, Visual Studio, Eclipse, GitHub, IntelliJ, Postman