**JACK OSSENKOP**

202 Ellis Avenue

Iowa City, IA 52246

[jack-ossenkop@uiowa.edu](mailto:noelle-ossenkop@uiowa.edu)

319-450-5977

**OBJECTIVE**

Computer Science-Engineering student with proven leadership and teamwork skill set and passion for software development and embedded systems seeking internship with an embedded systems engineering team.

**EDUCATION**

**The University of Iowa**

Anticipated Graduation May 2024

BSE Computer Science and Engineering

**COURSE HIGHLIGHTS**

Computers in Engineering Introduction to Software Design

Calculus I, II, III Linear Systems

Differential Equations Principals of Electronic Instrumentation

Embedded Systems Computer Organization and Architecture

Internet of Things Data Structures

**PROGRAMMING LANGUAGES:** C++, C#, SQL, Java, Visual Basic, Python, Assembly, MATLAB

**HARDWARE/OPERATING SYSTEMS:** Raspberry Pi, Arduino, FPGA’s, Linux

**EMBEDDED AND PROGRAMMING PROJECTS**

* Created networked word games, multithreaded quadratic solver, and a postfix calculator using Java
* Developed custom door alarm using Raspberry Pi 4, Adafruit sensors, and Python script
* Constructed stopwatch using two 7 segment displays with an Arduino running a custom assembly package

**WORK EXPERIENCE**

**Collins Aerospace, Software Intern, May 2022-Present**

* Collaborated with operations leadership on product updates and enhancements and worked with users to test and gain feedback on improvements
* Consulted with floor operators and coworkers across factory floor to create software systems to streamline operations
* Developed Visual Basic programs to automate and display factory data for floor operators
* Created website to display factory metrics for leadership to use in tracking efficiency

**STUDENT AND LEADERSHIP INVOLVEMENT**

* Iowa Acacia Fraternity 2020-Present
  + President 2022-Present
  + Junior Dean 2021-2022
  + Intramural Chair 2020-2021
* University of Iowa Theta Tau Engineering Fraternity 2021-2023
* University of Iowa Triathlon Club 2020-2021