

Craig W. Karinen Jr.

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EDUCATION

Kettering University

Bachelor's in Computer Science, Minor in Business, 3.18 GPA

Kettering Gamer's Society - President 2023-2024

Kettering Investment Club - President 2023-2024

Kettering Radio Club - Event Planning and Marketing 2023-2024

Flint, Michigan

July 2020 - Sep. 2024

PROFESSIONAL EXPERIENCE

Inspectron Tools

Software Team Co-op

Wixom, Michigan

April 2022 - June 2024

Tested experimental software releases, discovered major software bugs, tested hardware samples, developed bug fixes, performed hardware audits, identified product defects, wrote test specifications and software documentation, conducted competitive assessments, assembled hardware test fixtures, and developed prototype circuits.

Project 1: Inspectron WiTorch

- Performed software audits on early pre-production software releases.
- Carried out hardware tests such as Chemical Resistance, Battery Life-Span, and Power Cycling tests.
- Audited over 400 production units and reported significant quality defects.
- Developed code to gradually “ramp” up and down between flashlight brightness levels in order to fix a rare voltage issue that would cause an intermittent hardware shutdown.

Project 2: Snap-On BK-7000

- Tested dozens of software releases and found numerous bugs of varying severity.
- Implemented code to fix several minor user interface related issues.
- Made several revisions to the product manual including rewrites and translations.
- Conducted tests of manufacturer samples for numerous accessories, providing data which impacted final production decisions.
- Played a crucial role in testing potential solutions to a catastrophic software issue for the BK-7000 Wireless Handle accessory.

JMC Industries

Controls Team Intern

St. Joseph, Michigan

October 2021 – Dec. 2021

Assisted in the physical assembly of production line automation systems, wired high voltage junction boxes, fabricated custom parts and fixtures, delivered parts to and from other manufacturers, and helped develop a parts database system.

- Contributed to the software development of a parts and order database using Google Firebase, Javascript, and REACT.
- Shadowed the head of the build team and gained practical electrical and mechanical engineering skills.
- Built automated production systems and carried out the installation of custom machined parts and components.
- Aided in the operation of a finished assembly line fixture at a client facility and troubleshooted any issues that occurred.

LEADERSHIP EXPERIENCE

Kettering Gamer's Society

Club President

Flint, Michigan

August 2023 – Sep. 2024

- Ran weekly meetings in which members would play a variety of different tabletop board games.
- Started as the Email Communications Chair (2021 - 2023) and worked my way up to Club President.
- Was responsible for the annual completion of club documentation and registration-related activities.
- Managed the setup and operation of two major campus-wide events: Tournament of Tournaments and Magic Draft.

ADDITIONAL

LANGUAGES: Spanish (Basic).

TECHNICAL SKILLS: C, C++, C#, Python, Linux, GIT, Embedded Programming, Soldering, Blender, Unity, Unreal.

OTHER EDUCATION: Software Engineering, Microcomputers, Game Design, Computer Graphics, VR Development.

INTERESTS: Skateboarding, 3D Printing, Hobbyist Electronics, Working on Cars, Playing Guitar, Video Games, and Film.