

RANIA MAARABA

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[LinkedIn](#) | [GitHub](#)

EDUCATION

University of Cincinnati

Graduating: May 2027

Bachelor of Science, Computer Science; Certificate in Japanese Language and Culture

SKILLS & CERTIFICATIONS

Programming: Python, C++, C/AL, JavaScript, Java, HTML, SQL, Arduino

Software and IDE: DynamicsNAV, Numpy, Pandas, Spyder, Visual Studio Code, Arduino, Fusion 360

Certifications: JLPT N4, National Association of Rocketry L1

PROJECTS

NAR L2 Certification Rocket using Fusion360, Open Rocket

2025-Present

- Designing, constructing, and launching an FAA compliant rocket
- Demonstrated advanced understanding of propulsion, avionics integration, and recovery systems in the mandated L2 test

UI Portfolio – Various activities in HTML, JS, CSS, Svelte

2025-Present

- Developing four projects based in Svelte in CS5167—a personal journal, physical interactive interface, and re-working a ‘bad’ user interface

Radiji – Japanese Dictionary in Postgres, HTML, JS, CSS, React

2024-Present

- Drafting a system to help solve user needs for understanding Kanji characters through a combination of a dictionary elements, stroke order, embedded GIFs, and sentences

L2 Arduino based CO2 Sublime Rate -- Rockets for Schools Competition

2023

- Worked on the avionics bay for an L2 competition rocket to be deployed over Lake Michigan while logging the sublimation rate of CO2 while considering hydrophobic materials
- Independently sourced code, developed and soldered an Arduino based board for the electronics bay

EXPERIENCE

Mentee

Mar 2025 - Mar 2026

McDonald's Cooperate | Virtually – Chicago, Illinois

- Working alongside an assigned Software Developer mentor at McDonald's headquarters to develop career oriented projects, tactics, real-world problems, and personal development skills

Information Services Intern

Aug 2024 - Aug 2025

GMi Companies | Lebanon, Ohio

- Developed several Code Units, Reports, and Tables to synchronize with previous code to speed up cross-referencing across the Sales Department, Processing Department, and several other departments across the factory floor as well trained end-users
- Assisted in the maintenance and optimization of Microsoft Dynamics NAV, focusing on proper documentation, optimization, and best outcomes for end-users and external recipients

Code Sensei

April 2023 - July 2021

Code Ninjas | Toledo, Ohio

- Invented and implemented engaging coding challenges. Fostering a hands-on learning environment that boosted students' problem-solving skills and creativity in JavaScript, HTML, and Lua
- Cultivated personal programming and engineering skills by designing and developing custom coding exercises and projects for students which in turn allowed the ability to tackle diverse programming challenges and strengthen the foundation of the languages

ACTIVITIES

University of Cincinnati Rocketry Club | Member, L2 Mentorship Mentee

July 2025 – Present

- Work on NAR L2 level high-powered rockets for flight at local clubs around the Cincinnati Dayton metro-area to exceed Mach 1
- Create code for projects that require dual deployment systems as well as experiments to run within the launch window