

Julian Kinney

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EMPLOYMENT HISTORY

University of Michigan, Ann Arbor, MI — *Research Assistant*

MAY 2019 - PRESENT

- Tasked with finding and testing sensor kits for use in educational settings
- Working on optimization of data acquisition in magnetometer system
- Gained skills in basic circuit design and Arduino programming

University of Michigan, Ann Arbor, MI — *Lifeguard*

SEPTEMBER 2018 - PRESENT

- Monitor patrons to ensure their safety
- Help with set up and take down of pool safety equipment
- Certification in CPR and Basic First-Aid required

Sunrise Beach, Lake Bluff, IL — *Waterfront Manager*

MAY 2019 - AUGUST 2019

- Monitor and deposit daily cash intake
- Lead positive work environment
- Assist patrons with concerns or reservations

EDUCATION

University of Michigan, Ann Arbor, MI *Nuclear Engineering and Radiological Sciences BSE, Minor in Electrical Engineering, GPA: 3.90*

PRESENT - MAY 2021

Northfield Mount Hermon School, Mount Hermon, MA — *High School Diploma*

SEPTEMBER 2014 - MAY 2017

ACTIVITIES

Miniature Tether Electrodynamics Experiment: 2019-Present

Using HFSS to analyze different antenna designs as part of the RF Communications Subteam. Learning about antennas in the context of both circuit design and electromagnetic propagation.

Washtenaw Shelter Association:

Weekly volunteering at a homeless shelter to help with administrative duties such as fundraiser planning and community outreach.

Mindful Michigan:

Weekly meetings working to improve mindfulness through meditation and discussion.

TECHNICAL SKILLS

Familiar with C/ C++ and Python. Proficient in Matlab programming as well as computer aided designing (CAD). Soldering experience from homemade solar panel.

RELEVANT COURSEWORK

NERS 471 - Plasma Physics

EECS 334 - Optics

EECS 230 - Engineering Electromagnetics

LANGUAGES

Bilingual (Hungarian, English) with a background in Spanish.

REFERENCES

Mark Moldwin

Laboratory Head

mmoldwin@umich.edu

Kelly Shiffer

Manager: Sunrise Beach

kshiffer@lakebluffparkdistrict.org

Cheryl Jendryka

Supervisor: Lifeguard - University of Michigan

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