

Kyllan Wunder

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EXPERIENCE

COVID-19 Wastewater research Data Science Institute UW Madison, Madison WI — Undergraduate Research

May 2022 – Present

I am currently researching the COVID-19 particles in Wisconsin's wastewater. I work with a small team at UW Madison's Data Science Institute (DSI) in collaboration with the Department of Health Services (DHS) and the State Lab of Hygiene (SLH). We are looking for the best way to predict case surges through wastewater analysis for the remainder of COVID-19. Along with this research, we are also creating an R package to help other states analyze their wastewater. We hope this package can be modified to predict other infectious diseases spread.

IT Help Desk at Statistics Department UW Madison, Madison WI — IT Help Desk

October 2021 - Present

IT help desk in the statistics department. Manage and maintain hundreds of computers in the statistics department. This includes installing and deploying software, installing an OS, managing user accounts, installing new computers and printers, networking, and creating bash scripts to automate tasks, and experience with Zabbix and slurm. Created multiple scripts to auto tasks and make work easier.

UW Milwaukee, Milwaukee — Campus-wide Desktop Support

October 2019 - March 2020

Responded to client emails and phone calls, fixed damaged computers, and dealt with various software issues. Experience with Windows, Mac OS, Linux troubleshooting.

Ed Bryant Scout Reservation Summer Camp, Mauston WI — Climbing Area Director

May 2021 - June 2021

Scout Skills Area Director May 2020 - August 2020

Jet Ski Instructor and Director June 2019 - August 2019

Dining room Stewart June 2018 - August 2018

STEM Director June 2017 - August 2017

SKILLS

Linux

Python, Java, C++, C#, Bash, R

R Studios, Visual Studio Code

Game Design

Microsoft Office Suite

Google Drive Suite

Troubleshooting

Project Management

Moderate experience in

High throughput computing

GPT-3

Certifications

CPR/AED for Professional Rescuers Certificate with First Aid, American Red Cross
course: Active until 5/9/23

AWARDS

Eagle Scout, Highest achievement in scouting.

Control Award, this robotics award is handed out to the team with the best-written code.

The most important thing I have learned from this experience is how to manage employees and customers to deliver the best experience. I have regularly overseen directing over 20 employees to complete tasks. Intermittently I was placed in charge of overseeing the entire camp operations. I learned how to lead but more importantly how communicate and work as a team. Over my many years at Ed Bryant Scout Reservation I have done many jobs and duties to make sure the kids and adults that come to our summer camp have the best experience possible.

EDUCATION

University of Wisconsin-Madison, Madison — *Computer Science -Intended*

August 2020 - Present

A senior with an intended major of Computer Science and plan on attending Graduate School. Worked on many class software projects that included collaboration with other through git.

Relevant completed computer science courses:

- Operating Systems
- Introduction to Algorithms
- Introduction to Artificial Intelligence
- Elemental Matrix & Linear Algebra
- Calculus 1 & 2
- Statistics for Engineers
- Introduction to Combinatorics

University of Wisconsin-Milwaukee, Milwaukee — *Applied Math and Computer Science*

September 2019 - May 2020

Joint programs from Letters & Sciences and the College of Engineering & Applied Sciences to achieve an Applied Math and Computer Science degree.

Verona Area High School, Verona WI — *High School Diploma*

September 2015 - June 2019

Project Lead the way courses:

- Introduction to Engineering Design
- Principles of Engineering
- Engineering Design and Development

Advanced Placement courses:

- Computer Science A
- Statistics
- Calculus AB
- Physics 1

Organizations & Extracurriculars

Boy Scouts of America, for 7 Years, I was a part of Verona's Troop 349. I served in many roles in the troop, including Junior Assistant Scoutmaster, Senior Patrol Leader, Assistant Senior Patrol Leader, and many others.

FTC Robotics, I was the lead software engineer of our team. We wrote all of robot's code from the ground up and used two android phones to communicated between the robot and the controller. We implemented an automatic mode in which the robot would perform tasks autonomously.

- Physics C
- Language and Composition

PROJECTS

Eagle Scout Project — *Lead*

September 2018 - May 2019

Planned, developed, and implemented a service project to give back to my community. I had over 40 volunteer to help; we completed over 250 hours of service. The project was to build two "Ga-ga Ball" pits for Glacier Edge elementary school for youth to enjoy at recess; we successfully completed the two pits. I coordinated the planning and development of the project with my fifth-grade elementary school teacher as a liaison to school administrators and the PTO. I created plans for building the pits, chose and purchased supplies for the project, and came up with strategies to lead the work teams and recruit volunteers. It required over two months of intricate planning.

[News Article](https://www.veronapress.com/news/community/eagle-scout-creates-ga-ga-pits-at-ge/article_13206b0b-7301-52e0-b259-f63adbcb3280.html) (https://www.veronapress.com/news/community/eagle-scout-creates-ga-ga-pits-at-ge/article_13206b0b-7301-52e0-b259-f63adbcb3280.html)