

Joseph Kueny

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CAREER PROFILE

MBA and Computer Engineering majors graduating December 2021. Experience in embedded systems, database management, server management, data analysis, model optimization, and project management.

EDUCATION

Iowa State University, Ames, IA

Master of Business Administration (Emphasis Business Analytics) (GPA 3.75)

Expected Dec. 2021

Bachelor of Science Computer Engineering (GPA 3.53)

Dec. 2020

SKILLS

C/C++, C#, Python, scikit-learn, Machine Learning, MQTT, Java, Git, Node-RED, MySQL

WORK EXPERIENCE

Western Digital, Rochester, MN

Jan. 2019 – Aug. 2019

Technology Development Co-op

- Extended robotics wiring and installed new hardware
- Sorted, labeled, and managed wiring into the robot control box
- Rewrote and upgraded the firmware written in C
- Read and used microcontroller documentation for function implementation
- Created a GUI in C# to interact with the robot firmware
- Documented the upgrades to hardware and software on test automation robot
- Led informational sessions on proper robot use and test creation
- Assisted co-workers with reactive work
- Attended optional organization led training sessions for personal learning

ISU Work Study Agronomy Department, Ames, IA

March 2017 – Jan. 2021

Systems Support

- Determined workplace focus areas for optimization and automation
- Assist faculty and students with technical issues
- Designed processes for typical job duties for new team members
- Developed packages and task sequences for SCCM deployment
- Lead project teams to advance the scope of our department

RELATED PROJECT EXPERIENCE

Senior Design Project

2020

- Determined data modeling focus relative to project goals
- Developed and optimized machine learning models
- Created project plan document

LEADERSHIP AND VOLUNTEER EXPERIENCE

TEAM Engineering Tour Guide, Iowa State University, Ames, IA

2019 – 2020

Lead engineering tours with a group of engineering students and high school students

Western Digital We.Care E-Week; Rochester, MN

March 2018

Taught middle school children about engineering by building roller coasters with them

Freshman Honors Program Leader, Iowa State University, Ames, IA

Fall 2017

Taught and gave guidance to freshman honors students in their first semester at college