Jeremy Noesen

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EDUCATION

Iowa State University Ames, IA

M.E. in Computer Engineering   Expected May 2024
GPA: 3.60/4.00

B.S. in Computer Engineering   Expected May 2023
GPA: 3.60/4.00

Bartlett High School Bartlett, IL   Graduated May 2019
GPA: 3.843/4.000

EXPERIENCE

Iowa State University Teaching Assistant   Jan. 2023 - Present
- Collaborated with an instructional team to assess and provide feedback for students.
- Improved upon previous work to provide more comprehensive instructions and help.
- Engaged with students to curate a productive work environment.

Prism Java Plugin Developer, Community Moderator   Oct. 2016 - Jan. 2020
- Developed and modified Java plugins to increase functionality and efficiency.
- Collaborated with a team to moderate a community to provide a safe environment.
- Maximized efficiency by dividing up tasks amongst staff members.

SCHOOL PROJECTS

Simple Graphics Processor VHDL, C   Jan. 2022 – Present
A custom GPU architecture paired with driver software and OpenGL test programs.

CyBot C   Jan. 2021 – May 2021
Embedded software used to make an iRobot Roomba drive and navigate autonomously.

PERSONAL PROJECTS

homebridge-dyson-bp01 TypeScript   Sep. 2022 – Present
A Homebridge plugin to add a Dyson BP01 to HomeKit using a BroadLink RM.

MatrixDisplay Python, HTML, CSS, JavaScript   Dec. 2021 – Present
A program to control a Raspberry Pi with a Unicorn HAT from a web interface.

Website HTML, CSS, JavaScript   May 2021 – Present
My personal website and portfolio.

LANGUAGES

TypeScript, Python, VHDL, JavaScript, CSS, HTML, Kotlin, C, Java

ACTIVITIES

Marching Bands and Concert Ensembles   Aug. 2011 – Present
- Collaborated as an ensemble to rehearse for and perform public performances.
- Practiced as an individual to increase personal instrumentalist and marching abilities.
- Worked with section in rehearsals to prepare and improve for performances.

German American Partner Program   Jun. 2016 – Jul. 2016
- Visited Munich and attended Gymnasium München Moosach over a two-week period.
- Enhanced German speaking and listening skills.
- Gained experience adapting to a new environment in a quick manner.