# 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

**Prism** Java plugin developer, community moderator — Oct. 2016 - Jan. 2020
- Developed and modified Java plugins to increase functionality and efficiency.
- Utilized SFTP software to remotely modify files to customize the server functionality.
- Collaborated with a team to moderate a community to provide a safe environment.
- Maximized efficiency by dividing up tasks amongst staff members.

## PROJECTS

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

**MatrixDisplay** Python — 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

**BoneBot** Kotlin — Aug. 2020 – Present
A self-hosted, modular Discord bot to add more life to a Discord server

**VolleyBall** Java — Jul. 2019 – Present
A simple volleyball minigame plugin for Spigot Minecraft servers

**CourierNew** Java — Jun. 2019 – Present
A unique mail system plugin for Spigot Minecraft servers

## LANGUAGES

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

## ACTIVITIES

**Iowa State Marching and Concert Bands** — Aug. 2019 – 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** — Summer 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.