

## EDUCATION

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**Iowa State University** Ames, IA  
B.S. in Computer Engineering  
GPA 3.62/4.00

Expected May 2023

**Bartlett High School** Bartlett, IL  
GPA 3.843/4.000

Graduated May 2019

## EXPERIENCE

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### Prism Non-Profit Organization

Oct. 2016 - Jan. 2020

Java plugin developer and community moderator

- 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

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### Pseudo3D

Mar. 2020 - Present

- 2.5D game library with custom 3D physics and unique 2D rendering.
- Written in Java using JavaFX.

### BoneBot

Aug. 2020 - Present

- Self-hosted, modular Discord bot that adds life and custom commands to a server.
- Written in Kotlin using JDA.

### Website

May 2021 - Present

- Personal website used as a project portfolio.
- Written in vanilla HTML, CSS, and JavaScript.

### MatrixDisplay

Dec. 2021 - Present

- Raspberry Pi program used to display images on an LED matrix through a web interface.
- Written in Python using Pillow.

### CourierNew

Jun. 2019 - Present

- Minecraft server plugin that adds a mail system with physical letters and couriers..
- Written in Java using Spigot.

### VolleyBall

Jul. 2019 - Present

- Minecraft server plugin that adds a basic volleyball mini-game to a server.
- Written in Java using Spigot.

## LANGUAGES

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Java, Kotlin, C, HTML/CSS, VHDL, JavaScript

## ACTIVITIES

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### 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.