

Quinn Zipse

gzipse@outlook.com | 24795 555th St, West Concord, MN 55985 | (507) 273-6959

<https://quinnzipse.dev> | GitHub [@quinnzipse](https://github.com/quinnzipse)

Education

University of Wisconsin – La Crosse

Bachelor of Science Degree in **Computer Science** - 2023

GPA: 3.42 Dean's List – Spring 2020

Relevant Coursework:

Software Design 3: Abstract Data Types, Software Engineering, Computer Architecture, Digital Image Processing, Mobile App Development (Android)

Rochester Community and Technical College

PSEO – Joint High School Student

GPA: 3.56 President's List – Fall 2018 Dean's List – Fall 2017

Work Experience

AgVantage Software, Inc. – Rochester, MN

Software Engineering Intern

Summer of 2019,

May 2020 – Present

- Created interfaces with JavaScript based on legacy AS400 screens
- Developed a companywide knowledge base in PHP and JavaScript
- Trained newcomers on codebase and internal systems

Skills

Programming Languages: Java, C, PHP, JavaScript, Kotlin, C#, Python, SQL, MIPS Assembly

Other: Git, APIs, Nginx, Linux, JetBrains

Projects

Binary Rewriter – Altered corrupted MIPS binary executables to run on a simulator by rewriting incompatible machine instructions with stdio in C.

<https://quinnzipse.dev/music> – Developed a web app to allow external users to queue songs and see what is currently playing by calling Spotify's API with Cron to retrieve song info and implementing web sockets to update the UI in live time.

Image Converter – Created a Java app that converts a provided image of any type into a palettized image, effectively converting the color depth to 8bpp, using the built in BufferedImage class.