

# JACK GUSLER

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## EDUCATION

### State University of New York New Paltz

August 2020 – May 2024

Bachelor of Science in Computer Science

New Paltz, New York

- Minor of Digital Design and Fabrication
- Cumulative GPA: 3.17/4.00 | Major GPA: 3.06/4.00 | Minor GPA: 3.86/4.00
- Dean's List: Spring 2023, Fall 2023

## RELEVANT COURSEWORK

- Computer Science I, II, III
- Object Orientated Programming
- Language Processing
- Assembly Language
- Software Engineering
- Web Programming
- Operating Systems
- Discrete Algorithms
- Projects

## TECHNICAL SKILLS

**Languages:** JavaScript, Python, Java, C, C++, C#, HTML/CSS, SQL

**Developer Tools:** VS Code, Processing, p5.js, AWS Lambda, AWS DynamoDB, AWS API Gateway, MongoDB, SQLite

**Technologies/Frameworks:** Vue.js, React.js, Bootstrap, Bulma, Express.js, Flask, Node.js, Render, Vercel, GitHub, Jira

## PROJECTS

### 3D-Printer Queuing Software 📄 | Vue.js, Bootstrap, Flask, SQLite, Jira

January 2024 – May 2024

- Received an AYURE grant for the team of 3 students, serving as the lead front-end designer, ensuring an intuitive and user-friendly interface
- Used the Scrum framework for Agile Methodology and Atlassian's Jira software with Git Version control to ensure the building of the software for the Hudson Valley Advanced Manufacturing Center
- Designed using Model-View-Controller pattern, integrating multi-threading and web sockets for front-end to back-end communication for an array of 3D printers

### Budgeting Website Application 📄 | Vue.js, Bulma, Express.js, AWS

October 2023 – November 2023

- Developed a mobile budgeting app with intuitive features for expense tracking, goal setting, and visualization
- Connected AWS DynamoDB to store and manage the users' data for the web application, improving system efficiency and performance
- Managed the end-to-end deployment and hosting of a dynamic web application leveraging AWS Lambda functions, ensuring scalability and cost-effectiveness

### Point of Sale System 📄 | Vue.js, Bulma, Express.js, MongoDB, Render

January 2023 – May 2023

- Played a key role in a collaborative team effort to develop a cutting-edge Point of Sale (POS) system
- Implemented Vue.js, Bulma, Express.js, and MongoDB technologies to build a robust and efficient system, hosting the application on Render
- Executed Agile and Scrum methodologies to drive the development process, ensuring rapid iterations and on-time delivery of high-quality software
- Documented comprehensive system architecture diagrams and project work, facilitating seamless understanding and knowledge transfer among team members

## EXPERIENCE

### SMD Media

May 2023 – August 2023

Marketing Assistant Intern

Brewster, New York

- Streamlined order entry process, invoicing, and accounts receivable/payable functions, resulting in improved efficiency
- Demonstrated strong attention to detail and efficiency by updating Excel spreadsheets and producing month-end reports for clients
- Communicated with clients and vendors via professional email correspondence
- Ensured compliance with tax regulations by paying employment taxes to the IRS and state authorities

### LocalLive

September 2023 – May 2024

Game Producer

New Paltz, New York

- Produced over 100 high-quality recordings of high school sports events for families, schools, and interested parties, maintaining a 4.9/5 star rating based on performance evaluations and client feedback
- Facilitated effective communication with administrators through Discord in a professional and business-like manner
- Collaborated with team members to ensure smooth operation and coverage of sports events