MADELINE HIGGINS

Chicago, IL | url.madeline@gmail.com | 925.209.9221
GitHub | madelineurl.online | LinkedIn

TECHNICAL SKILLS
Proficient: Javascript, React, Node.js, Redux, Express, Sequelize, PostgreSQL, Firestore, Git, HTML, CSS, SASS, O-Auth
Familiar: Typescript, GraphQL, C++, SQL, Heroku, CI/CD, Webpack, Mocha, Chai, Jasmine, Python, Drupal, Axios
Interested In: Computer Audio Engineering, Machine Learning, RPG programming

PROJECTS
Xibis: A Galactic Voyage – *Fullstack Developer* | GitHub | YouTube | Play   August 2020 - present
A nostalgic 2D game where users guide space creatures through a series of puzzles on a journey to find home
- Developed using React, Redux, Cloud Firestore NoSQL database, SASS, and pixel art SVGs
- Spearheaded integration of Redux with our Firestore database to streamline game state management
- Designed and implemented 'Reflection' puzzle; composed and implemented game music and sound effects

Shiftpitch – *Frontend Developer* | GitHub | YouTube | Site   August 2020 - present
A tool for improving rhythm by practicing beatmatching without waveforms or BPM counters
- Developed using React, Howler.js for sound, and SASS + Anime.js for turntable graphics design + animation
- Leveraged React controlled components to manipulate audio rates on user input & simulate turntable pitch

EXPERIENCE
The Grace Hopper Program at Fullstack Academy – *Software Engineering Fellow*   September 2020 – Present
- Mentor over 30 students learning the NERD stack, software architecture/design, and debugging strategies
- Conduct technical interviews for prospective students in Javascript and Python up to 5 times weekly
- Advise on agile methodology best practices as a project manager for multiple teams of 3-4 students
- Whiteboard problem solving strategies and efficiency optimizations for daily algorithm challenges

Jet City Device Repair – *Technician*   June 2017 – May 2020
- Repaired 30-40 unique devices daily, diagnosing unfamiliar issues and executing complex repairs in under 30 minutes
- **Mastered new repairs weekly to facilitate daily sales of up to $4K**
- Consistently recognized in 5-star customer reviews for providing an outstanding customer experience

Northwestern University School of Communication – *Web Assistant* | Site   May 2016 – June 2017
- Modernized frontend of all department-affiliated websites to improve security and brand consistency
- Quickly learned HTML and CSS on the job to deliver on project deadlines

WNUR 89.3FM – *General Manager*   June 2015 – September 2016
- **Led development of $50K budget, supervising and approving large expenditures over the calendar year**
- **Generated $15K in listener donations during WNUR's annual Phoneathon fundraiser**
- Redesigned the station's website to increase professionalism, boost journalism, and grow listeners & donations
- Recognized with *Willis L. Butler Leadership Award* for outstanding leadership in radio

EDUCATION
The Grace Hopper Program at Fullstack Academy, *Chicago, IL*   September 2020
Certificate in Full-stack web development

Northwestern University, *Evanston, IL*   March 2016
Bachelor of Arts | Major: **Cognitive Science** | Minor: Gender & Sexuality Studies
Coursework: Electrical Engineering & Computer Sciences 110, Cognitive Modeling, Elementary Logic
Cum Laude | Dean's List 10 of 12 quarters

INTERESTS
Vinyl DJing, music production, baking, progressive politics, boxing, microsoldering, and synth repair