

MICHAEL WIDEBURG

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[PORTFOLIO](#)

[GITHUB](#)

[LINKEDIN](#)

SKILLS

JavaScript, React, Redux, HTML, CSS, Ruby, Ruby on Rails, Mongoose, MongoDB, Node.js, Express.js, SQL, SQLite3, PostgreSQL, Webpack, jQuery, Git, Heroku, Particl.io, Arduino

PROJECTS

MoonCamp (Rails, ReactJS)

[live](#) | [github](#)

MoonCamp is playful take on Airbnb using Postgres DB, ruby on rails, and React Redux

- Integrated Google Maps Image Type Api enabling users to travel across the solar system from their home
- Uses CRUD to keep track booking dates for specific users and Auth tokens to keep user information safe while keeping persisted state with cookies to ensure the best UE
- Uses react animations and state to ensure dynamic and modular dynamics while retaining usability.

Space Explorers (MERN, ReactJS)

[live](#) | [github](#)

Space Explorers is a basic RPG using Mongo DB, Express.js, React, and Node.js

- Users game state saved to Mongo DB to keep track of progression in the game
- Utilizes React State to customize the users character giving the game more customizable attributes and creates a personalized difficulty experience

Orb Shooter (Javascript, Three.js)

[live](#) | [github](#)

Orb Shooter is a 3d first person puzzle game using vanilla javascript and three.js

- Uses Three.js vectors to build a highly interactive and accurately rendered world
- Uses basic collision algorithms and objects to ensure $O(n)$, keeping render time low and scaling possible

EXPERIENCE

Audio Video Engineer and Production Manager

Carlson Audio Visual

Oct 2016 - Present

- Designed and executed schematics for \$350,000 + budget events, involving electrical and network planning, with high end audio, video, and broadcast equipment
- Managed small team of 5 encouraging self starters and taking responsibility for individual roles during the live production

Head of Audio and Music

Louder Than 11

Oct 2016 - Present

- Budgeted and pitch proposals for over 10 major documentaries retaining over 70%+ of budgets for employees and subcontractors.
- Solely delivered 25 minutes of score in under one week time for fast turn broadcast of PBS tv series Passion Project
- Re-invented audio equipment for niche climbing documentaries by re-engineering transmitters to boost range while keeping audio quality

Founder

Fizzix Productions

Oct 2016 - Present

- Founded and led a \$100,000 revenue company, employing 5 subcontractors and employees over a 3 year span.
- Designed and coded the 50+ video portfolio using basic HTML and CSS
- Budgeted a 5 National Park and multi country climbing documentary "Deep Solo" for major clothing brand Columbia

EDUCATION

Web Development - App Academy

Fall 2020

Immersive software development course with a focus on full-stack web development, which entailed 1000+ hours of coding.

BA Education - Berklee College of Music

Spring 2012