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## JACK PETERSEN

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### EDUCATION

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#### CODECADEMY

Radford, VA

2020-2022

**Certificates:** Computer Science Career Path, Back-end Engineer Career Path, Django Full Stack, Asynchronous Programming, Python, Java and JavaScript

**Languages:** JavaScript, Python, Java

**Frontend:** React.js, Redux, HTML, CSS, Bootstrap, Styled-Components, Third-Party API, React Testing Library/Jest

**Backend:** Node.js/Express, API Development, PostgreSQL, Sequelize ORM, Nginx, Passport.js, Django, Redis, SQLite, Swagger, Mocha/Chai Testing, Postman

**Other:** Git/Github, AWS, Heroku, Search and Traversal Algorithms, JSON/CSV

#### CALIFORNIA POLYTECHNIC STATE UNIVERSITY

San Luis Obispo, CA

**Software Engineering Major**

2007

SAT: 790 Math (99th percentile)

### FULL-STACK PROJECTS

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#### THE HOOP SCOOP | [Live Link](#) | [Code](#)

- Developed custom NBA statistics API with last eight seasons of data secured with Passport.js and documented with Swagger | [API-Docs](#)
- Engineered NBA prediction algorithm with a 62.5% success rate using JavaScript and PostgreSQL
- Created modern, interactive front end using React, including dynamic shot chart visualizations with d3.js and an NBA fantasy draft mini game
- Deployed using Linux, Ubuntu, Nginx, and PM2 on an AWS EC2 instance

#### KUDOS TO YOU | [Live Link](#) | [Code](#)

- Constructed fully-functional Yelp clone with near-identical styling and deployed on AWS
- Implemented a custom PostgreSQL function reversing the variables on either side of a 'LIKE' statement in order to retrieve desired results from the database using the search bar input.
- Architected custom user registration and login system and secured sessions with bcrypt and Passport.js
- Implemented the Multer.js middleware allowing users to add their own businesses and upload photos

### OTHER WORK EXPERIENCE

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#### BOHEMIAN GROVE

Monte Rio, CA

**Bar Manager**

2015 – Present

- Managed bar program of white-glove catering service for one of the world's most elite and exclusive clubs

#### TAMMY MIRANDA MUSIC PRODUCTIONS

Austin, TX

**Performing Musician**

2018 – 2020

- Booked weekly residencies at Maggie Mae's and Recess Arcade Bar on Austin's famous Sixth Street and averaged 4-5 performances a week at various venues across Texas; frequently substituted as bassist or guitarist for production company