

WILLIAM YANG

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Skills

Front End: Javascript (ES5, ES6+), HTML5, CSS3, React, JQuery

Back End: Node.js, Express.js, MongoDB/Mongoose, MySQL, PostgreSQL, RESTful API Development

Deployment/Testing: Docker, AWS, EBS, ECS, Heroku, RDS, MongoDB Atlas, Mocha, Chai, Jest

Developer Tools: Git, npm, Webpack, Babel, Agile Workflow, TDD, Homebrew, Trello, Asana

Applications

Fighter Flight - A community application for helping cancer patients find rides to their appointments. Developer / Architect
React.js / React-Bootstrap / PostgreSQL / Node.js / Express.js / Jest / Mocha / Heroku + PostgreSQL /

- Heavily utilized ticketing with Trello and Git Workflow branches to manage multiple contributors on codebase
- Developed RESTful APIs for drives, user profiles, and site pages using Express.js and React.js routers
- Achieved 75% test coverage using a combination of Mocha, Chai, and Jest
- Our team is looking into further work obtaining funding, publicity, and generating a user base of volunteers

Fashova - A single page ecommerce React application utilizing service-oriented architecture Full-Stack Engineer
React.js / React Slick / Node.js / Express.js / Mongoose / MongoDBAtlas / Docker + AWS EBS

- Built multiple product image carousels capable of sharing state with other microservices
- Collaborated with team in an agile environment to coordinate individual and group sprint objectives
- Deployed microservice with Docker + Elastic Beanstalk and MongoDB Atlas cloud-hosted database

Amazon - Scaled a legacy application to handle increased database and server requests Backend Engineer/DevOps
PostgreSQL / Postico / Node.js / Express.js / Artillery.io / New Relic / Docker / AWS ECS + RDS

- Increased database from 100 to 10M items and optimized to handle 500 req/s with mean response time of 10ms
- Stress tested server and database using Artillery.io and used New Relic to analyze the data
- Attempted utilizing load-balancing with Docker + Elastic Container Service and Application Load Balancer

Rock, Paper, Scissors! - A single page online multiplayer rock paper scissors game Full-Stack Engineer
React.js / Node.js / Express.js / Socket.io / Heroku

- Created and deployed in two days as a part of a minimum viable product hackathon
- Implemented Socket.io for continuous communication between clients
- Handles landing, matchmaking, pregame timers, and rhythmic game logic using state in React.js

Work History

Senior Group Leader 05/2017 to 09/2018

Discovery School of Virginia – Dillwyn, VA

- Supervised an outdoor residential treatment center for adolescents with addiction and neglect pathology
- Taught staff company policies, data collection, and problem solving to assess and develop treatment plans for students
- Cultivated professional growth of staff by utilizing leadership skills and role modeling effective behaviors
- Provided guidance, security, and boundaries for students to cultivate self-esteem and pro-social skills

Plant Engineering Intern 06/2015 to 08/2015

Flint Hills Resources – Corpus Christi, TX

- Reoutfitted a fuel gas coalescer piping system which dramatically increased the safety of our unit
- Redesigned a heavy crude oil pipe system which simplified operations
- Initiated a project management knowledge study and subsequently standardized project management practices

Education

Software Engineering Immersive 07/2019

Hack Reactor at Galvanize - Austin, TX

Bachelor of Science: Chemical Engineering 12/2016

Texas A&M University at Kingsville - Kingsville, TX

Tau Beta Pi - Engineering Honor Society, Omega Chi Epsilon - Chemical Engineering Honor Society, TAMU-K Weightlifting Club VP