MICHAEL NUNES

FULL-STACK DEVELOPER

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- ⌨ TinySquid

Highly motivated Eagle Scout with a passion for software development and the underlying silicon it executes on.

Skills

LANGUAGES & FRAMEWORKS

HTML/CSS
ReactJS
Redux
NodeJS
Express
Material UI
Ant Design
Bootstrap
SASS/SCSS
Electron
NextJS
JavaScript
Python
Flask
Apollo

TECHNOLOGIES & METHODS

Data Structures
Algorithms
OOP
Agile
Git
Github
REST
JSON
MongoDB
PostgreSQL
SQLite
Netlify
Heroku
Parcel
Webpack
Docker
GraphQL

Employment

Lambda Studios
Junior Developer
Remote
Jan. 2021
- Active role in agile team, building out features to meet project spec and UI designs.
- Creating efficient and tested frontend components in React / NextJS
- Designing and writing robust GraphQL / REST APIs working with NodeJS / Express connected to SQL / NoSQL database architectures.
- Writing tests for components / functions / routes to ensure highest code coverage when possible.
- Handling DevOps CI/CD pipelines to support and uphold our rapid iteration schedules

Lambda School
Team Lead
Remote
Oct. 2019 to Jan. 2020, Apr. 2020 to Aug. 2020
- Managed and mentored 10+ students through their learning journey at Lambda.
- Lead 1:1 remote meetings and performed live code reviews daily, troubleshooting common code issues.
- Ran daily standup meetings that cover assignments and various code topics.
- Assisted and supported instructors through daily lectures by answering student questions and providing resources for detailed solutions.

PeopleReady
Project Engineer
Lompoc, CA
Jan. 2019 to May 2019
- Rebuilt and improved submittal archive system on a $20,000,000 project.
- Managed sub-contractor and GC submittal process in coordination with government personnel for approval in on-site construction and testing.
- Investigated missing forms and documentation, restoring as necessary to maintain compliance with government protocols.
- Delivered daily reports to keep the company and government informed on progress.

Projects

Lambda School Profiles
A NextJS application that allows recruiters to find and filter Lambda School's graduates.
Technologies - React, NextJS, Postgres, Typescript, Material UI, Apollo, GraphQL
- Designed and built the backend API using GraphQL and Postgres.
- Implemented API-level caching.
- Drafted and constructed the functionality for the many filtering options exposed within the app.
- Created the mobile responsive layout version based on UI wireframes.
Link to live app

Conway's Game of Life
Conway's game of life is a visual algorithm that simulates cellular automata in a 2 dimensional grid of cells. state is generated and constrained by a simple set of rules and an initial 'seed' of data.
Technologies - Javascript, CanvasAPI, Dexie (IndexDB), ParcelJS
- Implemented core game logic based on original rules defined by Conway.
- Used CanvasAPI to render the grid and all cells.
- Built functionality to change cell state colors with DOM inputs.
- Utilized indexDB to allow for 'snapshotting' a grid's state and storing it, for later retrieval.
Link to live app | Link to code repository

Conference Builder for EthosCE
A web app for medical professionals to build conference schedules for their ongoing education.
Technologies - React, ContextAPI, Dexie (IndexDB), Ant Design
- Worked with team on UI design, built form components and calendar view display.
- Built functionality to export schedules to YAML.
- Utilized experience with component data flow to construct efficient components.
Link to live app

Geo-IP
A SPA for retrieving geographic location from an ip address.
Technologies - Gatsby / React, Express, Jest, Supertest, Styled-Components, LeafletJS
- Created frontend layout components from UI frames.
- Built a REST API backend with Express to serve geo-ip requests (ip to location coords).
- Worked with LeafletJS to create the interactive map, and to pin the ip location visually.
- Implemented a client-side cache so repeated requests would not go to backend.
- Built a custom hook to utilize search history from cache, or expire it when outdated.
Link to live app | Link to code repository

Education

Lambda School
Full Stack Development & Computer Science
Aug. 2019 to May 2020

Awards

Boy Scouts of America · Eagle Scout Award
Jan. 2015