

## SKILLS

Full-stack Engineering

Web Development

Front-End Engineering

Back-End Engineering

App Engine

JavaScript

React

Node

HTML

CSS

Bootstrap

EJS

MongoDB

jQuery

Git

Mongoose

PostgreSQL

## PERSONAL PROJECTS

### Crown.wtf (JavaScript)

- Community web application with user accounts, forums, 3rd-party API integration, and more developed in Node with Express. Front end used EJS, Bootstrap, HTML, CSS, and JavaScript. Used MongoDB atlas & Mongoose for the database. I implemented OAuth 2.0 and Passport.js for secure user authentication. Deployed using App Engine to maintain a high velocity development process.

### ArenaMarker (Lua)

- Community addon with over 12k downloads to easily automate and customize tedious tasks in a video game.

### Food-Vendor App (Python)

- Full stack web app that is used to easily locate food vendors. Uses Django for templating, PostgreSQL for the database, GraphQL for querying data, and JSON Web Tokens to ensure secure user authentication.

### Memory Game (JavaScript)

- JavaScript app made using mostly jQuery to select each of the 4 different colored buttons clicked, plays the button's corresponding sound and stores it in an array until the sequence is broken. If the wrong button is clicked, the sequence is reset and the game is over and you can press any button on your keyboard to restart. CSS was used for styling.

## WORK EXPERIENCE

### Freelance Software Developer

#### Freelancer

[Grindlessgaming.com](https://grindlessgaming.com)

- Full stack web app created with Flask, Python, Jinja, Pip, Bootstrap, HTML and CSS. The database used PostgreSQL, and Flask for migrations. The app offered services users can select from a drop down menu, generated from fixtures, with pricing dynamically displayed via jQuery. For testing CircleCI was used, and for deployment AWS Lambda & Zappa, by request of the client.

### Freelance Software Developer

#### Freelancer

[brookban.ue.r.appspot.com](https://brookban.ue.r.appspot.com)

- Front end website developed in Node with Express. EJS was used for templating, and HTML, Bootstrap and JavaScript generate the display of the site. For styling used CSS, with minimal jQuery to highlight selected section. All of the content is generated through libraries that I created, and for deployment I stuck with App Engine.

## EDUCATION

### Computer Science

#### Self-study

2019 - 2022

*Courses*

- MIT OpenCourseWare, KhanAcademy, Udemy, and FreeCodeCamp courses.
- Data structures & algorithm books such as Introduction to Computation and Programming.
- High quality programming videos & technology podcasts and blogs.

## REFERENCES

Joshua Cole - Software Engineer at Facebook

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