James Byrnes

Software Developer - NodeJS / ReactJS Developer
Project Portfolio - https://noobular.github.io/

JamesEdwardByrnes@gmail.com | Github | Linkedin

Skills

Languages

- JavaScript
- JQuery
- PHP
- Python
- Lua
- C#
- Visual Basic / .NET
- C++

Frameworks & Libraries

- Reactjs
- Express
- Nodejs
- Electron
- MaterializeCSS
- Bootstrap 3 & 4

Tools & Platforms

- VSCode
- Heroku
- WAMP / XAMP
- MongoDB
- Github/Git

Project Experience

Web Portfolio / HTML5, CSS3, ReactJS, Bootstrap4 / **Dec 2019 - Now**

- Created to learn ReactJS from scratch and improve my web development
- Implemented
  - Bootstrap 4's grid system to allow for an organized view of all projects
  - ReactJS to allow for an easier system to procedurally generate new project cards, in combination with JSON to store all the individual projects data, Saving development time by not having to create them manually.
  - Project Search, based on language/tags from component states/user Input

FleaMarket.TF Web Application / WAMP stack, MySQL, PHP, Bootstrap 3 / **2016**

- Site created to make the trade of virtual items between different users easier.
- Implemented
  - OpenID Login (One button login, Through Steam)
  - Search based on a specific item with various attributes (Buy or Sell Offers)
  - Premium Membership, No Ads + No Trade limits

Browser Game Bot (Auto Player) / Electron, Node.js, HTML5, CSS3, MaterializeCSS / **Nov 2019**

- Created a fully automated game player using Fetch request and UI with Electron
- Implemented
  - HTTP Request system to allow you to use items, or do missions automatically
  - The logic behind automating the missions (Heal > Energy > Mission)
  - Electron to allow for MaterializeCSS to be used UI/UX

Car Temperature Alarm / C++ / **General Electric Hackathon**

- Car Temperature Alarm created with an Arduino Circuit Playground, during a 6 hour Hackathon, based on the temperature inside a vehicle, sends power to the air conditioner/lower windows to protect against heatstroke of animals or children.
- Implemented
  - User-defined max temperature before alarming
  - Based on the temperature the windows would lower or the air conditioner speed would raise as the temperature in the vehicle rises.
  - Sound and vibration alarm, Future ideas where it would be linked to your phone to receive alerts for when your vehicle is too hot.

Certifications

Microsoft / MTA: Introduction to Programming Using JavaScript

Microsoft / MTA: Introduction to Programming Using Python

Awards

General Electric (GEDEX) / Hackathon

- Received the first-place award, for the development of an Arduino based device that checks the temperature inside of a vehicle, and changes the air conditioner/window height, to protect against animal and child deaths from heatstroke

Education

William D. Ford Technical Center / Game Design and Programming (2 Years)

- Two years of Game Design and Programming education, working with different tools and platforms, with an emphasis on working with a team, and becoming a team leader.