Justin Butler

Full Stack Developer

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LinkedIn
GitHub

EXPERIENCE

Louisville Geek – Full Stack Developer

Louisville, KY | March 2018 – current

- Given the ability to work on all types of applications from being in the weeds on a dot net nuke server stuck having to use notepad, all the way to crafting beautiful web apps using modern day stacks
- Worked on many small, medium, and large-scale projects through the initial requirements, design, planning, development, server management, and deployment
- Worked within an agile team to design and implement critical structures of a colossal multi year project

Indiana University Southeast – Computer Science Tutor

New Albany, IN | Spring 2015 – Fall 2020

- Assist Students in their course work by explaining and providing instructive examples or ways to think about the problem
- Constantly practicing and improving the soft skill of breaking down a complex scenario into little digestible chunks

RESEARCH

Swarm AI (2021- current)

- Collaborative project to research, build, and improve swarm AI algorithms
- My role is to build the hardware and software API for the AI to obtain IO data from the bot

PROJECTS

Memelon (2021)

- Bot that buys Dogecoin whenever Elon Musk's tweet contains keywords
- Trained a YOLOV3 algorithm model using TensorFlow
- Runs a Convolutional Neural Network with a trained model to detect if a tweeted image contains a doge

CsgoHoldem (2020-current)

- Themed React, Redux, .NET 5 stack to implement a pure WebSocket based Texas hold 'em game
- The server can completely control the clients state by implementing the WebSocket behind a Redux middleware

UptimeRmx (2019-2021)

- Designed with a modified Entity-attribute-model to allow the gathering, processing, and presenting of data from any piece of industrial machinery
- Uses, React, Redux, .Net Core, C# TCP Server, and a ladder logic PLC
- Worked closely with an Electrical Engineer during the entire planning and development process

SKILLS

Languages: C#, JavaScript, Python, PHP, C

Frameworks: .Net Core, Entity Framework, Angular, Laravel

Tools: Git, Redux, TypeScript, TensorFlow

Others: Raspberry PI, Arduino, Travis CI, Docker, HTML5/CSS

EDUCATION

Indiana University Southeast

Bachelor of Science
Computer Science
2015-2020
New Albany, IN

OTHER PROJECTS

Full Stack:

IscoGarage, HaveAHeart PaperconeAttendanceManager dnataFlightApp, dnataPhoneApp dnataCERFApp, Magna MiwPaymentPortal

Hardware:

Trilogy, Raspsat, Triton

Open Source:

DefinitelyTyped, Pyrh, OAA ReactBurgerMenu, KawaiiBot