

Joshua Lucas
Location
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Linkedin (maybe)

Education:

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- B.S. in computer science from University of Maryland, Baltimore County

Skills

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- Languages: Python, Java, C/C++, MySQL/MariaDB, Javascript, HTML, CSS, Bash
 - Data Science related: Jupyter notebooks, Pandas, Tensorflow, scikit-learn
 - Web development frameworks: React, Bootstrap, Nodejs, Tailwind CSS,
 - Other tools: RegEX
 - Hardworker, Thorough documentation, security conscious

Experience

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- Freelance software engineer
 - **Raid clears calculator:** scraped data form multiple webpages, then parched the information to calculate the total hours spent to finish different destiny raids on their release day
 - **RGB lighting system:** built an android control app for addressable led strips using and arduino with bluetooth
 - **Food Map:** a social media web app centered around restaurants/eateries near the usres location. These restaurants/eateries are based around users

Projects:

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- **Income Predictor:** using a census dataset and random forests to predict whether a person will make a salary larger than a specific amount.
 - **Connect 4 AI:** using the minimax algorithm with alpha beta pruning to create an ai that can be beaten in connect 4 and training the heuristic using machine learning
 - **N-Body simulation:** use OMP to parallelize the simulation of using barnes-hunt algorithm.
 - **Windows Hacker Board:** raspberry pi pico that when plugged into a windows machine disables Windows Defender, then opens command prompt and downloads and runs some code.

Other Projects:

- Morse code translator