Mitchell Harper

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Portfolio: https://mitchh10.github.io/Portfolio/

Summary

Software Engineer with the accumulated skills of 10+ years of personal programming experience, college level computer science and language courses, and certification from the University of Texas. The theories of college level computer science courses, the career best practice information from certificate courses, and the hands-on real world application of programming for 10 years, all come together to make me an extremely competent programmer. Beyond knowing just the hows of coding, my experience has given me a greater understanding of the why's and science behind programming. I am extremely confident in my ability to tackle any problem with my current skills or by learning. I am excited to use my accumulation of skills and knowledge in a career setting.

Skills & Abilities

Programming Languages: Java, C++, C#, Visual Basic, Python, Lua, G, Logo
Scripting & Query Languages: Javascript, AutoHotkey, SQL, Powershell, GraphQL
Markup Languages: HTML, CSS, JSON
Operating systems: Windows, Ubuntu Linux, Ubuntu Server, Tails, Android
Frameworks: Express.js   **Source control:** Git   **Libraries:** React, Redux, Sequelize
Databases: MySQL, MongoDB, Mongoose, IndexedDB, NoSQL
Deployments: Heroku, AWS, Kubernetes

Education & Learning

University of Texas San Antonio: 2022 - 2023
Six month Full Stack Web Development course, HTML & CSS, Javascript, Node, React, Redux, SQL, Express
Web development best practices: API's, Object-Oriented Programming, Object Relational Mapping, Model View Controller, Progressive Web Applications, MERN stack, State Practices
Rock Valley College: 2018 - 2021
58 Credit hours toward Associates of Science, Programming Logic and Design, Java & C++ Programming
Personal Learning: 2010-Present
Javascript, Python, C#, Visual Basic, SQL: 10+ years of experience and learning
Github, Windows, Ubuntu, Ubuntu Server, HTML, Android: 3+ years of experience and learning
OWASP Top 10   Agile Development   Computer Hardware Engineering   Kubernetes

Activities & Projects

FIRST Robotics Team 4655: Student: 2016-2018 Mentor: 2019-2021
Robotics systems programming and automation, Development teamwork, Led team for 3 years, Yearly full code rebase, Labview automation programming, Advanced to FIRST World Championship 2018 as student. Whole Team size: 50 people. Programming Team size: 5 people. Led weekly standups for the entire team.

Github Projects:
Pawfriends: User Based Pet Rehoming Web Application
Created an express application complete with api, login, mysql database usage
National Park Information And Route Calculation Web Application
Used NPS and Google Maps API, Javascript, HTML, and CSS to create a one-stop application for road trip planning to a National park, complete with route and park information, Team project with 3 other developers
Simple Balance Sheet Android Application
Used Java to create a simple offline banking app for tracking deposits and withdrawals all done through manual input. Created as an alternative to the current large data collecting banking apps

Work Experience

United Healthcare Customer Service Representative: March 2022-September 2022
Remote work experience, Microsoft Teams experience, Windows applications and Web Applications end user experience, Communication and Customer Service expertise, Salesforce end-user