

Joseph Manto

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Education

Western Michigan University | 2016 - April 2020

College of Engineering and Applied Sciences
BS Computer Science expected graduation (2020)

Classes: CS1, CS2, Data&file Structures,
Foundations of CS, Database Management,
Web Tech, Digital logic, Comp Org & Assembly Lang
System programming concepts, Algorithms

Skills

Operating Systems:

Linux, MacOS, Windows 7-10

Languages:

Java, Objective-C, C,
C#, C++, Swift, Cocoa-Script,
JavaScript, Python,
Bash, Sql, AppleScript

Tech:

FireBase, GCP, MySQL,
Intellij, Docker, Git, React,

Freelance

IOS Development Program 2013 | Present

Developed and distributed IOS and Mac Apps

- Haptic Feedback keyboard for IOS
- "Cross" a spritekit game for IOS

SpartaHack Hackathon|MSU Feb 2016 & Jan 2017 & Jan 2019 GrizzHacks-Hackathon|OU March 2016

- Developed team leadership and time management skills.
- Created a snapchat like social media app. (Sparta Hack 36 hours)
- Learned how to use cloud computing tools like (AWS, GCP)
- Created an interactive sound board app. (Grizz Hacks 24 hours)

Projects

OIT-CX - Internal Tool - JS | 2019

JS React MySql Bash Docker

OIT-CX is a full-stack Internal tool which serves an abstract model of various tools which are later dynamically changed for a given department or employee.

OnePalette - MacOS Menu App - Swift | 2019

One Palette is an ongoing open-source app designed for UX designers and front-end developers which allows the user to make custom palettes with quick access and the ability to automatically copy color codes for any coding language.

What was learned

- Learned the basics of Docker.
- Deeply expanded my experience in ES6 ... (Promises).
- Designing abstract complex reusable components.
- JSX
- Managing state in a react component.
- Core Data with dynamic objects.
- Differences between Objective-C and Swift.
- Overriding delegate functions in swift.
- How to deal with reusing views on controller changes.

More Hosted On Github

Leadership

Student Lead / Software Engineer - WMU OIT Help Desk | Present

- Worked in a team environment leading and helping staff solve problems.
- Developed management skills with a focus in problem solving.
- Managed and delegated 8 3D printers for the university.
- Developed OIT-CX (See Projects) for a summer and capstone project
- Deployed Python and Java based tools on a local webserver to track statistics on 3D printers

Expanding Skills:

- Collaboration on problems with co-workers.
- The ability to visualize problems from the customer's point of view.
- Building scalable and lasting code

Reference: Dylan Ledbetter (269) 387-5342