Andrew Johnson
(702) 241-6598
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Education

University of Michigan • Computer Science Engineering • Aug 2016 – May 2020

- Cumulative GPA: 3.88/4.00
- Relevant Coursework: Data Structures and Algorithms, Web Systems, Information Retrieval and Web Search, Computer Organization, Computer Security

Work Experience

Apple • Software Engineering Intern • Maps • May - Aug 2019

- Participated in Agile software development process to organize daily tasks
- Reviewed existing monolithic data pipeline architecture and designed new scalable microservice orientated architecture as a framework for future data pipelines
- Implemented and deployed multiple microservice applications with test driven development to consume and transform data for long term storage and analysis
- Analyzed existing data to find methods to better utilize existing team resources

Amazon • Software Development Engineering Intern • Finance Tech • June - Aug 2018

- Designed prototype full stack application to assist in determining the feasibility of creating a new internal application to assist and improve employees' daily processes
- Developed relationships with potential customers to determine their use cases and adjusted application design to provide maximum value and utility to the customer
- Created comprehensive unit test suite to test application for errors and faults
- Prepared and showcased results of application implementation to advise team and organization on future uses and practicality of a full-scale adaption of the project

Sigma Engineering Solutions • Engineering Intern • June - Aug 2016 • May - Aug 2017

- Calculated material quantities of the Silverline bridge design to improve estimate accuracy
- Created 3D model of power plant in SolidWorks for use in bidding process to create visualizations of the demolition sequence and engineering process for potential clients
- Modeled cellular towers planned for demolition to provide engineers and stakeholders a representation of the structure to increase safety and efficiency in demolition
- Performed quality checks and analysis on multiple projects to detect errors, inconsistencies and omissions to reduce future revisions and increase accuracy

UNLV Entertainment Engineering • Research Assistant • July 2015

- Researched and tested new STEM based curriculum products with potential users to report on the practicality and design of the product and recommend future enhancements

Projects

Time Off Manager • Python • React JS • MySQL

- Migrated a small business from tracking personal and vacation days by hand to a web app

Personal Website • AndrewJohnson.io • React JS • HTML • CSS

- Created static personal website, AndrewJohnson.io, to showcase projects and experience.

Additional

- Skills: C++, Java, JavaScript, Python, React, Spring, SQL, Bash, Agile, Hadoop
- Interests: Broomball, Golf, Paddle boarding, Kayaking, Grilling, Hiking, Drones