Michael Jones

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EXPERIENCE

SQL Server Developer Intern   May. 2019 - September. 2019
Ent Credit Union| Colorado Springs, CO
- Developed stored procedures to perform ETL (extract-transform-load) functionality.
- Wrote documentation for the database which helped the team better understand certain tables.
- Tested the database to make sure what the team developed worked as intended.
- Collaborated with business intelligence and other IT departments to assist on their work.

Computer Science Tutor   January 2019 - May 2020
University of Colorado | Colorado Springs, CO
- Managed the tutoring center.
- Learned new concepts to help explain them to students.
- Helped debug issues with student's code.

PROJECTS

wagablog.de
github.com/MichaeldJones/wagablog

A personal blog website where I write posts in Japanese.
- Designed and developed the CRUD (Create, read, update and delete) website including the database, backend and frontend.
- Used Ruby on Rails with a PostgreSQL database.
- Styled the site using Tailwind.
- Hosted the site on a Linux virtual machine using Microsoft Azure.
- Followed MVC (model-view-controller) design pattern.

mimizu.be
github.com/MichaeldJones/mimizu

A website that displays information about a public domain collection of Japanese books.
- Created a RESTful API to serve data from a PostgreSQL database using Go (golang)
- Wrote scripts in Go to scrape the website, convert it into JSON files and then populate the database.
- Hosted the site on a Linux virtual machine using AWS (Amazon web services).

text_n_driver
github.com/MichaeldJones/text_n_driver

A web app game designed to show the difficulties of multitasking; made for a Software Engineering class in university.
- Went through organized stages of software engineering: requirements, design, and implementation.
- Wrote documents for each phase including SRS (Software requirements specification) and a design document.
- Programmed the website using the LAMP (Linux, Apache, MySQL and PHP) stack.

Senior Design Project

A year long project with a team of 5 people. The final product was a weather-proof remote monitoring system that connected to sensors and sent formatted data to a user. The project was sponsored by SNC (Sierra Nevada Corporation).
- Coordinated with the team and SNC for meetings and updates on progress.
- Wrote documents and presented updates once a month.
- Wrote embedded software to collect sensor data and send it formatted into a web portal using an Arduino.

EDUCATION

University of Colorado, Colorado Springs | Bachelor of Science in Computer Engineering   Graduated May 2020
- GPA: 3.64/4.0   •   Graduated with honors

SKILLS

C, Go, Ruby, Python, Java, SQL, HTML, CSS, JavaScript, PHP and Verilog | Git | Microsoft Office | Photoshop | Japanese