Minhal Shanjer

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minhalexus.github.io/Website

Education

University of Waterloo
Sept 2017 – Apr 2022
Bachelor of Computer Science

Relevant Coursework:
- Algorithms
- User Interfaces
- Computer Networks
- Computer Security and Privacy
- Object-Oriented Software Development
- Introduction to Database Management
- Introduction to Artificial Intelligence

Skills

ReactJS

JavaScript

Python

Java

C++

SQL

Git

AWS

Docker

Ruby on Rails

Microsoft Office Suite

Work Experience

Axonify *Jan 2021 – Apr 2021*
JavaScript Developer
- Developed a video game in JavaScript using Axonify's proprietary game engine and wrote a tutorial guide for other developers
- Assisted in upgrading Axonify's core web product from jQuery 1.7 to jQuery 3.5, and created customized ESLint rules for most deprecated jQuery functions
- Implemented a reCAPTCHA on a recover password screen to prevent discovery of usernames via scripting

Dematic *Sept 2019 – Dec 2019*
Software Engineering
- Developed responsive web screens with Angular, Polymer, and JavaScript
- Improved the runtime of creating virtual machines on Microsoft Azure by over 45%, by combining related Azure CLI code into PowerShell scripts and utilizing parallel processing in Bash scripts
- Created a Python script that generates patch notes between different application versions

Bronte College *Jan 2019 – Apr 2019*
Web Developer
- Developed an employee dashboard system in Ruby on Rails to digitalize HR activity in Bronte College
- Integrated Microsoft Graph API to synchronize Outlook Calendar events with a local calendar in a Rails application. This was done by scheduling background jobs to periodically scrape for new events on Outlook
- Implemented user authentication with OAuth 2.0 authorization using Microsoft Graph API, and routed document uploads to Microsoft Azure

Projects

WorkList *https://worklist-a2904.web.app/* *June 2020 - Present*
- Created a dashboard with ReactJS to create and preview resumes
- Developed a REST API with Flask and Postgres, that handles CRUD operations and resume downloads
- Used HTML and CSS to design highly customized resume templates
- Dockerized the backend and deployed it on an AWS EC2 instance

Algorithm Visualizer *algorithmvisualizer-b99af.web.app* *Aug 2020*
- Explored animation techniques in ReactJS to visualize sorting algorithms

Go Green *July 2019*
- Processed fuel price data to train a linear regression model in Python's Scikit-learn library to predict future energy costs for an organization
- Developed a Web App in Angular that accepts fuel usage input, forwards it to a Python-Shell via NodeJS to run the linear regression algorithm, and finally charts the returned linear prediction

Euchre Game *Dec 2018*
- Designed a Euchre game in C++ with artificial intelligence which received a grade of 104%
- Utilized software design patterns including the MVC pattern and Factory pattern, to demonstrate object-oriented programming principles