Dilon Sok

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Education

University of Texas at Dallas, BS in Computer Science   Aug 2021 – Dec 2024
- GPA: 3.0/4.0
- **Coursework:** Advanced Data Structures and Algorithms, Intro to Machine Learning, Intro to Computer Vision

Technologies

Languages: Java, VB.NET, Python C#, SQL, JavaScript

Technologies: React, Selenium, MySQL, Selenium, Jira, DynamoDB

Experience

Automation Programmer Intern, Health Care Service Corporation - Richardson, TX   June 2024 – Aug 2024
- Collaborated with a team to develop automated tools/apps using C#/VB.NET with Selenium in Visual Studio and used Agile methods for iterative and continuous development.
- Designed and implemented a generic cache system in the .NET framework to be used by future applications.
- Reduced an application's loading time from 70s to < 3s through code optimizations, restructured database queries, and integration with my cache system for improved efficiency.

Quality Assurance Intern, Leonardo DRS - Dallas, TX   April 2023 – Dec 2023
- Conducted physical quality inspections on parts and used SQL and Excel to analyze and create reports for yield analysis, part issue trends, predictive trend analysis, and root cause analysis.
- Develop programs/scripts to optimize processes with a UI, data querying, and data manipulation.
- Created a Python script to automate a data formatting process bringing the task time from 40min to <5min.

Projects

Customer Service AI Chatbot   Fall 2024
- Developed a customer service AI chatbot for a restaurant with a small student team using Agile methodology with Jira, Confluence, GitHub, and CI/CD pipelines for smooth, iterative development.
- Served as the lead architect, leading high-level design of the application and technical communication between the client and developers.
- Designed and delivered tailored solutions that effectively addressed the client's specific needs.
- Tools Used: React, Python, Flask, DynamoDB, Dialogflow, Llama

Tutor Web Application Project   Fall 2023
github.com/DilonSok/Good-Tutor-App-Frontend, github.com/aayushpe/Good-Tutor-App-Backend
- Designed, implemented, and led a team to create a web application that can message and connect students to tutors to receive aid on classes.
- Implemented the frontend UI for our messaging system, MongoDB models/handlers, and the server REST API endpoints.
- Co-developed our user authentication and frontend UI for account login/creation with backend REST API functionality.
- Tools Used: React, Node.JS, MongoDB

Blockchain Based Electronic Voting System Project   Spring 2024
github.com/dieynababa03/4301-Blockchain
- Collaborated with a small team to develop an electronic voting system with a mock Ethereum blockhain, developing the Node.js server and integrating frontend functionality using Axios.
- Acted as team lead to design and build the solution while and facilitating work amongst group members.
- Tools Used: React, Node.JS, Python, Ganache, Solidity