

Brandt Davis

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SKILLS

Java

- Developed appointment setter application and integrated the MySQL database with the application
- Created an inventory management system and implemented an SQL Server database into the application
- Experienced with using JavaFX and Scene Builder for making Java applications

SQL

- Experienced with writing SQL queries to interact with Oracle database
- Familiar with relational databases such as MySQL and Oracle and NoSQL databases such as MongoDB

Web Development

- Worked with the ReactJS framework for making frontend web applications
- Familiar with Backend web development frameworks such as Django and Express and creating Rest APIs
- Experienced with HTML, CSS and JavaScript

Python

- Built Rest APIs with the Django framework and worked with the Django ORM to interact with a PostgreSQL database
- Utilized Jupyter notebooks and the Pandas and NumPy libraries to perform data analysis and build linear regression models using data from CSV files

PROJECTS

Delivery Route Algorithm

September 2022

- Implemented a greedy algorithm to create a delivery route by choosing the next closest location
- Identified and integrated several package constraints into the delivery algorithm such as delivery deadline and truck capacity
- Optimized delivery route from 165 miles to 127 miles

Sorting Algorithms Visualizer

September 2022

- Illustrated the sorting process of various sorting algorithms including heapsort, quicksort, bubble sort and selection sort
- Utilized Python libraries to develop the frontend interface and to set sorting speed

EDUCATION

Bachelor of Science in Computer Science

November 2022

Western Governors University, Salt Lake City, UT

CompTIA Project+ Certification

September 2022

ITIL 4 Foundation Certification

August 2022