

# Brandt Davis

Syracuse, NY | (315) 516-2588 | brandtdavis26@gmail.com | github.com/Brandt459

## 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*