**Matthew Gibson**

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##### PROFESSIONAL PROFILE

Dedicated Computer Science Major with excellent analytical skills and information technology experience. Proactive in learning and implementing modern solutions, highly motivated, and passionate about software and web development.

##### SOFTWARE DEVELOPMENT COMPETENCIES

**Databases:** MySQL, Relational Databases, PostgreSQL

**Languages:** SQL, Java, JavaScript, HTML, CSS, Python

**Software:** IntelliJ, VSCode, MySQL Workbench, Docker

**Frameworks**: Spring, Angular, Django

## PROJECTS

**Real Estate Price Estimator –** Web application utilizing Machine learning, Django, HTML, CSS, and JavaScript that allows users to enter criteria for a desired home and returns a price estimate for a home with those criteria. Estimates are made using a machine learning model trained using supervised linear regression on a large housing dataset.

<https://priceestimator.fly.io>

**Vacation Planning Service –** Web application written in Java that allows the user to view a selection of vacations, plan excursions, and add additional items to their itinerary. Vacation data is stored in an SQL database and used a combination of the Spring Framework and Hibernate to connect the database, the back end, and the AngularJS based front end.

<https://github.com/mgibson43/Vacation-Planning-Service>

**Package Delivery –** Stand-alone application written in Python that imports address data from several .csv files, parses the data into packages and delivery locations, loads the packages onto trucks, and delivers all packages on time, in under 140 miles using a nearest neighbor algorithm to determine the best route.

<https://github.com/mgibson43/Package-Delivery>

## PROFESSIONAL EXPERIENCE

**Technical Analyst –** *HCA Healthcare* | Blacksburg, VA April 2023 - present

Ensure the stable operation of computer hardware, software systems, and network infrastructure, including routers, switches, servers, and VOIP telephony. Install, deploy, support, and maintain all IT infrastructure and virtual application environments.

* Work with Project Managers to plan, document, and deliver projects effectively in a timely manner.
* Diagnose and provide root cause analysis for deliverability issues, application, hardware, network, and O/S issues.
* Evaluate and analyze systems and metrics to provide recommendations for service improvements.
* Coordinate the design, implementation, operation, and maintenance of email systems and networks.

##### EDUCATION

**Master of Science in Computer Science** Start Date: January 2025

*Georgia Institute of Technology* | Atlanta, GA

* Studies will focus on graduate level algorithms, machine learning, and computer vision.

**Bachelor of Science in Computer Science** Graduated: June 2024

*Western Governors University* | Salt Lake City, UT

* Studies focused on Software Engineering, Relational Databases, and Computer Science
* Courses included IT Project Management, Data Management, IT applications, Cloud Foundations, and Emerging Technologies