Harrison Zhu

hzhu359@gatech.edu | hzhu359.github.io | github.com/hzhu359 | linkedin.com/in/hzhu359

# Education

* Georgia Institute of Technology - B.S. in Computer Science - expected graduation: May 2023
* Relevant Coursework: Design of Algorithms, Data Structures and Algorithms, Database Systems, Machine Learning, Objects and Design, Object-Oriented Programming
* GPA: 4.0; Faculty Honors for 5 semesters.

# Work Experience

## Microsoft | Software Engineering Intern | Atlanta, GA

### *May 2021 – Aug. 2021*

* Implemented a compute and networking diagnostics tool for new servers in the Azure Dedicated ecosystem.
* Designed a system to track and log information during cloud resource allocation using Azure Services.
* Aggregated and coordinated data sources from multiple teams across Azure Dedicated into a unified UI.
* Contributed maintainable code that consistently passed unit tests and code reviews from senior engineers.
* Established tooling for engineers that significantly reduced the time to mitigate issues and supplemented tooling with documentation that was praised by principal engineers and architects.

## Georgia Institute of Technology | Teaching Assistant | Atlanta, GA

### *May 2020 – present*

* Collaborated with a team of 30 co-TAs to grade assignments and create resources for over 600 students.
* Coordinated bi-weekly office hours and answered questions about course content, homework, and exams.
* Held weekly recitation sessions and managed student questions during lectures.

# Projects

Data Structures and Algorithms Visualization Tool

* Fixed algorithm implementations in the open-source CS 1332 visualization tool used by 600+ students.
* Created visualizations using JavaScript, React, and the USF animation API.
* Implemented feature requests that increased the tool’s effectiveness in helping students visualize data structures and algorithms as well as in helping instructors teach concepts.

Squiggle

* Implemented a front-end interface for a restaurant load-balancing web application during HackGT7.
* Employed React, JavaScript, and CSS to create and style React components for use in the interface.

# Skills

* Programming Languages: Java, Python, JavaScript(Node.js), CSS, HTML, C#, SQL/MySQL
* Technologies: Git, LaTeX, Jupyter Notebooks, React, Numpy, PyTorch, scikit