

# Thomas Glezen

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## Education

### UC Berkeley

B.A. in Computer Science

B.A. in Statistics

August 2017 - May 2021 | Berkeley, CA

## Skills

### Languages/Libraries

Python • NumPy • pandas

Seaborn • Matplotlib

R • R markdown • Shiny • ggplot

JavaScript • Node • Firebase

Java • C • SQL

### Tools

Vim • Jupyter Notebook • IntelliJ

### Other

Git •  $\text{\LaTeX}$  • HTML • CSS

Docker • Debugging

### Coursework

Data Structures

Machine Structures

Algorithms

Database Systems

Machine Learning

Optimization

Discrete Mathematics

Multivariable Calculus

Linear Algebra and Differential Equations

Probability Theory for Statistics

Applied Statistics

Principles and Techniques of Data Science

## Projects and Experience

### Java Database

- Implemented a SQL database that runs on Java.
- Supports ARIES recovery and backup.
- Can create and execute cascading transactions.

### Maze

- Developed an algorithm which Generates pseudorandom mazes for the player to explore with each level increasing in difficulty.
- Integrated an AI that will target the player based upon their movement and location.

### Messenger Board

- Designed and implemented an interactive messenger board.
- Utilized Node.js and Firebase, a noSQL database provided by Google.

### BearMaps

- Designed and implemented an interactive messenger board.
- Utilized Node.js and Firebase, a noSQL database provided by Google.

### Tutor | Data Structures

- Private tutoring for students taking data structures course.
- Formulate lesson plans involving graphs transfers, asymptotic analysis, and sorting methods

### Lab Assistant | CS61B (Data Structures)

Aug 2018 – Dec 2018 | Berkeley, CA

- Taught students implementation of data structures.
- Helped students with project design and code debugging.