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 • LaTeX • HTML • CSS
Docker • Debugging

Coursework
Data Structures
Machine Structures
Algorithms
Database Systems
Computer Security
Machine Learning
Optimization
Discrete Mathematics
Multivariable Calculus
Linear Algebra
Probability
Applied Statistics
Principles and Techniques of Data Science

Projects and Experience

IBM Global Tech Scholar Program
- Designed a project which improves virtual education.
- Integrates IBM Cloud for storing video data and transcript.
- IBM Watson for speech to text transcription and sentiment analysis.
- Implements Bootstrap for visual improvements.

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 a Google Maps like application for Berkeley Campus
- Stitched together images in order to generate image maps.

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.