Thomas Glezen

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EDUCATION

UC BERKELEY

B.A. in Computer Science
B.A. in Statistics
Started August 2017 | Berkeley, CA
Expected May 2021 | Berkeley, CA
College of Letters and Science
Cum. GPA: 3.1 / 4.0
Major GPA: 3.3 / 4.0

LINKS

Github:// **github.com/tcglezen**
LinkedIn:// **linkedin.com/in/tcglezen**

COURSEWORK

UNDERGRADUATE

The Structure and Interpretation of Computer Programs
Data Structures
Discrete Mathematics and Probability Theory
Foundations of Data Science
Principles and Techniques of Data Science
Multivariable Calculus
Linear Algebra and Differential Equations
Concepts in Computing with Data
Efficient Algorithms and Intractable Problems
Probability Theory for Statistics
Designing Information Devices and Systems I
Machine Structures

SKILLS

PROGRAMMING

Lots of Experience:
Python • Pandas • Numpy

Some Experience:
R • R markdown • Shiny • ggplot
SQL
Java • Data Structures

Less Experience:
C • RISC-V (Assembly)
JavaScript • Node • Firebase
Beautiful Soup (Python)
HTML • CSS

PERSONAL PROJECTS

CHESS

Coded primarily in Java.
Programmed the game of chess
Has a "over the table" option which one can play against another.
Also includes a simple (weak) AI for the player to play against.

MAZE

Coded in Java
Simple Arcade style game
Involves randomly generated maps in which the player explores to collect the highest number of points.

MESSENGER BOARD

Coded in Javascript, Firebase, and HTML
A simple message board which people can post to
Messages are sent and received in real time
Relies upon Firebase, a database from Google.

PERSONAL "FUN" PROJECTS

EMAIL SCRAMBLING AND UNSCRAMBLING

Programmed in Python
One such use of unscrambling message includes Markov chains and bigrams

EXPERIENCE

CSM | Computer Science Mentors

Jan 2019 – present | Berkeley, CA

Class: CS 61B (Data Structures)

- Teaching students concepts required for the data structure course at Berkeley.
- Concepts include, but are not limited to
  - Lists
  - Iterators
  - Asymptotic
  - Hash Sets
  - Trees
  - Sorting Methods
  - Search Methods

ACADEMIC INTERN | CS61B (Data Structures)

Aug 2018 – Dec 2018 | Berkeley, CA

- Assisted students to conceptually understand assignments, labs, and projects.