



Willis Wang

Software Developer

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Education

B.A. Computer Science UC Berkeley

3.6 GPA August 2018 – May 2022

Courses taken: Data Structures, Algorithms, Machine Structures, Artificial Intelligence, Discrete Math, Probability Theory

Experience

Open Computing Facility Staff UC Berkeley OCF

January 2018 – Present Berkeley, CA

- Contributes to keep OCF running as a staff member of the Open Computing Facility.
- Services hundreds of students per day.
- Worked on multiple projects including student RIFD verification using Python and SQL.

CS61B Academic Intern UC Berkeley

September 2018 – December 2018 Berkeley, CA

- Help over 40 students gain a deeper understanding about core data structures, abstract data types, algorithms, basic principles of software engineering, and the Java programming language.
- Strong foundation in OOP, Dynamic Programming, Graph Traversal, Data Structures, and Sorting Algorithms.
- Hosts weekly reviews focused on conceptual applications.

ATDP Teacher Assistant Academic Talent Development Program

June 2017 – August 2017 Berkeley, CA

- Taught over 30 students fundamental skills in programming and Java such as OOP and functional programming.
- Cultivates students' interest in programming.
- Guide students to create their own game with Java from scratch.

Projects

Gitlet

July 2017 – August 2017 Java

- Created a local clone of Git in Java with a strong base in OOP, Trees, and Serialization.
- Integrates seamlessly in projects and supports all functionalities native to Git.

Uwu bot

August 2019 Python

- Created an approved Discord bot which automatically translates comments.
- Supports advanced functionalities such as multi-server management, database storage, and message editing.

Chepp

November 2017 C++

- Created a chess simulation program written in C++.
- Implements logical features such as move checking and checkmate detection to optimize gameplay.

Languages

Programming Languages: C/C++, Java, Python, SQL, Ruby, HTML/CSS, Javascript

Operating Systems: Linux, macOS, Windows

Languages: English, Chinese