

Justin (Jieyang) Wu

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EDUCATION

University of California, Berkeley

Expected: May. 2024

B.A. in Computer Science, B.S. in Business Administration, GPA: 3.7/4.0

- Coursework: Structure of Computer Programs, Data Structures and Algorithms, Statistics and Probability, Discrete Math, Linear Algebra and Circuits, Linux System Administration, Cryptography
- Activities: Computer Science Undergraduate Association (CSUA), DataGood at Berkeley, Toppa at Berkeley, Cal Hacks, Pioneers in Engineering, Theta Xi Fraternity

EXPERIENCE

Berkeley One IT

Jul. 2022 – Present

Web Accessibility Engineer

- Performed website accessibility audits using tools such as SiteImprove
- Engineered search engine optimization for UC webpages
- Designed fixes to web accessibility issues using the Open Berkeley toolset

Blum Center for Developing Economies

Jul. 2022 – Present

Web Developer

- Designed and maintained websites for the Berkeley Department of Developing Engineering using CSS, HTML, PHP, and WordPress
- Implemented website functionalities such as in-site search, photo gallery, popups, and drop-down menus using Elementor
- Integrated websites with various plugins such as Akismet to prevent spamming in comments

UC Berkeley Electrical Engineering and Computer Science (EECS)

Jan. 2022 – Jul. 2022

Academic Intern

- Facilitated and guided weekly lab sessions for CS 61A, largest CS class at Berkeley of over 500 students
- Developed mini lectures explaining conceptual questions related to recursion, object oriented programming, and code optimization
- Organized workshops and hosted office hours for 20+ students

PROJECTS

BYOW | Java

Aug. 2022

- Developed an engine to generate pseudo-random, interactive world for a dungeon like game
- Implemented A* algorithm and minimum spanning tree for finding the shortest path between a player and target on the map
- Integrated a replay feature using serialization to persist generated worlds and reload every user input

Gitlet | Java , Git

Jul. 2022

- Developed a version control system mirroring Git using Java
- Designed abstract data structures to support complex functionalities such as file serialization and compression
- Performed unit and integration testing using the JUnit testing framework

Scheme Interpreter | Python, Scheme, Git

Apr. 2022

- Built an interpreter for Scheme using Python
- Enhanced space and time complexity using tail recursion
- Realized major functionalities such as conditional statements, user defined methods, and macros

TECHNICAL SKILLS

Languages: Java, Python, SQL (Postgres), JavaScript, HTML/CSS, C, C++, R, Scheme

Frameworks: React, Node.js, Flask, JUnit, WordPress

Developer Tools: Git, Docker, Kubernetes, Google Cloud Platform, AWS, PyCharm, IntelliJ, MongoDB, RStudio

Libraries: pandas, NumPy, Matplotlib, Seaborn, TensorFlow