Ian Dong

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Aspiring computer software engineer with 5+ years of experience in programming and theoretical computer science and adept at using Java, Python, C++ in producing efficient and readable code

📚 Education

University of California, Berkeley	**Berkeley, CA**
Computer Science B.A. 4.00/4.00 GPA	Aug 2021 – May 2024

Relevant Coursework:
- Structure and Interpretation of Computer Programs, Linear Algebra and Differential Equations
- Data Structures, Discrete Mathematics and Probability Theory, The Foundations of Data Science
- Machine Structures, Efficient Algorithms and Intractable Problems, Introduction to Linguistic Science

Activities: Cloud at California, MI2 @ Berkeley

💼 Experience

App Orchid Inc.	**San Ramon, CA**
Software Engineer Intern	May 2022–Present

- Tested and reported on the quality of extraction processes through contract solutions that leveraged pre-built knowledge graphs, context-based reasoning, and natural language inference.
- Created AI services to parse through documents and extract metadata to enhance contract solutions.

UC Berkeley Electrical Engineering & Computer Sciences (EECS)	**Berkeley, CA**
CS 70 Reader	June 2022 – Present

- Created rubrics for homework and exams and graded assignments.
- Hosted office hours for students to ask questions related to course material

Cloud at California	**Berkeley, CA**
Researcher	Jan 2022–Present

- Collaborated with other cohorts of students on several projects and become cloud certified as well as develop proficiency in Amazon Web Services (AWS)

🔧 Projects

Gitlet	Apr 2022

- Built a simplified version control system utilizing file persistence, cryptographic hash storage, REGEX, a variety of data structures, and graph traversals.
- Supports init, add, commit, rm, log, global-log, find, status, checkout, branch, rm-branch, reset, merge, add-remote, rm-remote, push, fetch, pull

Scheme Interpreter	Nov 2021

- Developed an interpreter for a subset of the Scheme language coded entirely in Python
- Required a significant understanding of lexical and syntactic analysis as well as input parsing

Blythe Mental Hub	Nov 2019

- Partnered with cross functional teams to develop a mental health hub designed to connect people in need of support using HTML and CSS

✋ Skills

💼 **Languages:** Java, Python, C++, SQL, HTML, CSS, Javascript

🛠 **Frameworks:** Node.js, React, Express

🏆 Awards

LeetCode Coding Ranked: Ranked 2217 globally	Aug 2020 – present
USACO GOLD: Gold Division	Jan 2021
AMERICAN INVITATIONAL MATHEMATICS EXAMINATION (AIME) Qualifier:	Mar 2019