

# Derrick Cui

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## Education

University of California, Berkeley

Berkeley, CA | May 2025

B.A., Computer Science & Economics

GPA: 3.6

**Relevant Coursework:** Data Structures, Blockchain for Developers, Macroeconomics, Discrete Math and Probability Theory, Introduction to Full Stack Development, Blockchain Fundamentals, Structure and Interpretation of Computer Programs, Introduction to Statistics

## Experience

Comstruct (Startup) | Head Front-End Developer

Munich, Germany | Dec 2021 – Aug 2022

- Built a B2B API tracking and purchasing platform for construction material buyers and suppliers in the Swiss-German region using **Flutter** for Android, iOS, and web devices resulting in **20+ paying customers**
- Developed **30+ features**, including page routing, delivery tracking, authentication, calendar views, filtering
- Utilized tools like **Bloc** state management, **protobuf**, **Auth0**, **docker**, built **custom widgets** for design package
- Spearheaded tasks, direction, and deadlines using **Atlassian**, **Bitbucket**, **Confluence**, and **Github**

UC Berkeley Gaming Center | Lead Staff

UC Berkeley | Jan 2021 – Present

- Managed 53 PC's and 10 Oculus VR sets, debugged, troubleshooted, and updated software and hardware
- Tested and maintained PC's to fix bugs and ensure ggLeap (esports venue management software) correctly integrated and accessed correct permissions and paths from Windows os
- Hosted **120+ participant tournaments**, **\$1,200+ giveaway**, and **\$10,000+ sponsored events**

## Extracurriculars

Next Gen Consulting | Project Manager – NPR

Berkeley, CA | Sep 2021 – Present

- Developed **targeted marketing strategies** to better attract Gen-Z to NPR's podcast offerings
- Managed customer expectations, facilitated team meetings, and distributed work to analysts to present slide deck
- Previously was a **Senior Analyst for Sephora** recommending possible **integrations of innovative technology** to keep up with retail trends and an **Analyst for Lattice** analyzing competitors and **market penetration strategies**

Business Review at Berkeley | Senior Columnist of Economics

Berkeley, CA | Sept 2021 – May 2022

- Edited and reviewed 30+ articles** written by columnists, **increasing annual published articles by over 50%**
- Managed economics column meetings, edited columnist articles, and organized professional development events like ideation workshops, graphic design workshops, and writing workshops
- Wrote articles analyzing economic trends**, like investigating the **video game pricing mechanism**, the empirical evolution in economic research, the **impact of Biden's stimulus packages** on decarbonization, the effect of the expansion of **Special Drawing Rights by the IMF during COVID**, and more

## Projects / Awards

Gitlet, CS 61b (Data Structures)

Apr 2022 – May 2022

- Designed and coded a **Git version control system in Java** using **serialization**, **OOP**, **trees**, **class structures**
- Implemented commands such as **git init**, **add**, **remove**, **log**, **checkout**, **branch**, and **merge**

Ataxx Game and AI, CS 61b (Data Structures)

Mar 2022 – Apr 2022

- Coded the game 'Ataxx' using **OOP** and the AI using **OOP and alpha-beta pruning of a minmax algorithm**
- Used **Java** to implement logic as well as writing **unit and acceptance tests** and documentation

COVID19 3-D Printed Face Shields, Personal Project

March 2020 – April 2020

- Designed and **3D printed hospital-approved face shields** using accessible materials with easy assembly
- Donated **200+ face shields** to hospitals during PPE shortage, recieved letter from Markham Stouffville Hospital

The Data Open (West Coast Regional Datathon) presented by Citadel

Apr 2022

- Analyzed racial bias in diabetes treatment with **log regression**, **one hot encoding**, **random forest classification**

## Skills / Hobbies

**Proficient Languages:** Java, Python, Flutter, HTML, CSS, JS, SQL, Scheme

**Currently learning:** Solidity, Go, C, Assembly, Node.js, React, REST, HTTP, Postman, MongoDB, Django, Typescript.

**Hobbies:** Overwatch 1 Collegiate player, piano, swimmer, IMF and The Economist, Ethereum, yearbook club, novelist,