

Derek Zheng

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Education

HARVARD UNIVERSITY

Cambridge, MA

A.B. in Computer Science, Economics

May 2023

Relevant Coursework: CS61: Systems Programming & Machine Organization, CS124: Data Structures & Algorithms, EC50: Big Data to Solve Social Problems

Activities: Harvard Effective Altruism, Harvard Club Football

TSINGHUA UNIVERSITY

Beijing, China

Study abroad research/coursework in Sustainability and Global Economic Policy.

July – August 2019

Skills & Interests

Technical: C++, Java, Python, HTML, CSS, JavaScript, Stata, SQL

Personality: Passionate, Curious, Excellent Teamwork, Communication & Organizational Skills

Interests: Full Stack Systems Dev., Product Management, Sustainability, Tech for social good.

Experience

Pakira, Inc.

Cambridge, MA

Founding Software Engineering Team Member

November 2019 - Present

- Designed and implemented online global physical commodities trading platform using HTML, CSS, and JavaScript. Facilitated development of backend databases, scripting, and online chat/forum features using React, MySQL and MongoDB. Support cloud services development on AWS/GCP.
- Collaborated closely with CEO and engineering lead to develop platform architecture and key features. Winner of 2020 MIT FinTech Conference.

Harvard Computer Society

Cambridge, MA

Contributing Member

September 2019 – present

- Programmed websites, games and a machine learning data analysis project to complete the rigorous Harvard Computer Society Bootcamp, successfully utilizing Node.js, React, Python, and Lua.

Monta Vista Official App

Cupertino, CA

Founder

June 2018 – August 2019

- Led design and development of iOS app that facilitated greater community engagement in local high school community. Utilized knowledge in C++ and Swift to create an app with over 600 users.

United States of America Computing Olympiad

Cupertino, CA

Gold Level Competitor

June 2016 – March 2018

- Achieved Gold Level distinction in the USACO algorithmic programming competition. Topics mastered include Dynamic Programming, Graph Theory, and Greedy algorithms. Programmed solutions in Java.

Leadership & Activities

Harvard Consulting on Business and the Environment

Cambridge, MA

Consulting Analyst

February 2020 – present

- Consult for Fortune 500 companies and startups in the life sciences, technology and sustainability sectors, providing actionable business strategy recommendations and analysis directly to executives.

MakeHarvard

Cambridge, MA

Finance Executive Board

September 2019 – Present

- Coordinated and organized annual engineering make-a-thon consisting of 300+ college students from all over the world. Engaged with sponsors, reviewed applications and selected make-a-thon competitors.