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, Club Football

MONTA VISTA HIGH SCHOOL   Cupertino, CA
Associated Student Body President, Wendy's High School Heisman National Finalist   June 2019

Skills & Interests

Technical: C++, Java, Python, HTML, CSS, Node.js, React, JavaScript, SQL, NoSQL, Stata, R
Personality: Passionate, Curious, Excellent Teamwork, Communication & Organizational Skills
Interests: Full Stack Systems Dev., Product Management, Football, 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 Node, 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. Applied to and accepted by the prestigious DCU FinTech Innovation Center, a seed-stage incubator.

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-athon consisting of over 300 college students from all over the world. Reviewed applications and selected make-athon competitors.
- Raised and allocated over $60,000 in funding secured from corporate sponsors, a 200% increase.