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420 Rhythm St.
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Education

HARVARD UNIVERSITY

AB candidate in computer science, secondary candidate in government,
citation candidate in Spanish
NCAA Division I athlete with Harvard men’s volleyball: 25 hours per week

Cambridge, MA
Anticipated Spring 2020
Current GPA: 3.61

Selected Coursework

Intro to Computer Science I & II; Calculus II & III; Linear Algebra; Intro to Probability; Artificial Intelligence; Discrete Math for Computer Science; Intro to Theoretical Computer Science

VALLEY HIGH SCHOOL

Class of 2016 valedictorian, International Baccalaureate diploma recipient

Las Vegas, NV
Spring 2016

Professional Experience

SOFTWARE ENGINEER AT HSA DEV

Full stack website and mobile app developer
Focused on building backends using Node, GraphQL, PostgreSQL

Cambridge, MA
Summer 2018 – Fall 2018

CS50 COURSE ASSISTANT

Held 5+ weekly office hours for Intro to Computer Science I

Harvard University
Fall 2017

Leadership and Activities

Y2Y HARVARD SQUARE HOMELESS SHELTER

Volunteering 5+ hours weekly at the shelter

Cambridge, MA
Spring 2018 – Summer 2018

VALLEY HIGH SCHOOL ATHLETICS

Volleyball: 2-year captain; Conference Player of the Year and 1st-Team All- Region
Tennis: Team captain; 1st-Team All-Division and All-Conference honors

Las Vegas, NV
Spring 2013 – Spring 2016
Fall 2012 – Fall 2015

BOY SCOUTS OF AMERICA

Eagle Scout, 2015; multiple leadership positions

Henderson, Nevada – Troop 903
Spring 2010 – Winter 2015

Projects

NBA SCHEDULE OPTIMIZATION

Python; formulated NBA schedule as constraint satisfaction problem
Used local search algorithms (hill climbing, simulated annealing) to minimize back-to-backs and travel distance

CS182: Artificial Intelligence
November 2017 – Present

PHOTOBALL

Allowed users to customize, purchase memorabilia balls with custom images/text
React Native mobile app; I built out backend using Node, GraphQL, PostgreSQL, Apollo Server, Stripe

HSA DEV
Summer 2018

FARMNIVOROUS

Website with robust functionality connecting local farmers and consumers
Structural and functional improvements and support in backend using Node, GraphQL, PostgreSQL
Built React components in core views of website

HSA DEV
Summer 2018 – Present

Skills

Technical: Experience with Python, Node, GraphQL, React, React Native, PostgreSQL, HTML, CSS, JavaScript, OCaml, C;