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Martin “Marty” Heavey
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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: 3.67

Selected Coursework

Intro to Computer Science I & II; Calculus II; Multivariable Calculus; Intro to Probability; Artificial Intelligence

VALLEY HIGH SCHOOL

Class of 2016 valedictorian, International Baccalaureate diploma recipient

Las Vegas, NV
Spring 2016

Leadership and Activities

CS50 COURSE ASSISTANT

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

Harvard University
Fall 2017

HARVARD SUMMER SCHOOL ABROAD

Studied Spanish and Argentine culture; lived with host family

Buenos Aires, Argentina
Summer 2017

BOY SCOUTS OF AMERICA

Eagle Scout, 2015; multiple leadership positions

Henderson, Nevada – Troop 903
Spring 2010 – Winter 2015

VALLEY HIGH SCHOOL MEN’S VOLLEYBALL

2-year captain; Conference Player of the Year and 1st-Team All- Region

Las Vegas, NV
Spring 2013 –Spring 2016

VALLEY HIGH SCHOOL MEN’S TENNIS

Team captain; 1st-Team All-Division and All-Conference honors

Las Vegas, NV
Fall 2012 – Fall 2015

Projects

MOVIE FOR ME

HTML/CSS, JavaScript, Python; Web application for sorting movies
Backend in Python (Flask enabled), currently working on scraping streaming sites and using SQL to store and query
movie data

CS50: Intro to Computer Science I
November 2016- Present

MINIML

OCaml; Implemented a subset of OCaml-like language
Used both dynamically scoped environment model and substitution model

CS51: Intro to Computer Science II
April 2017

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

Skills & Interests

Technical: Programming experience in C, SQL, Python, OCaml, JavaScript, HTML/CSS; Comfortable with Windows, Mac OS X, Linux; Proficient with Word, Excel, PowerPoint, Adobe Flash

Highlights: Winning second ever Men’s Volleyball Divisional Championship in Valley High School’s 50-year history;
Las Vegas Review Journal article highlighting academic and athletic achievement, 4/7/16

Languages: English; Spanish

Interests: Sports; puzzles; politics; travelling; outdoor activities