BENNETT D. ZHANG

github.com/bennett-zhang | linkedin.com/in/bennett-d-zhang-34323813b

(408) 891-3142

bdz@andrew.cmu.edu

5032 Forbes Avenue
SMC 4252
Pittsburgh, PA 15289

Education

Carnegie Mellon University
B.S. in Computer Science
Pittsburgh, PA | May 2021

Monta Vista High School
GPA (weighted) 4.30/4.00
Cupertino, CA | June 2017

Skills

Technical
Proficient
JavaScript (ECMAScript 6) ◇
HTML5 ◇ CSS3 ◇ Node.js ◇
Express ◇ Git ◇ Java

Intermediate
Python ◇ WebGL ◇ L^{A}T$_E$X

Spoken Languages
Proficient
French ◇ Mandarin

Coursework

Principles of Imperative
Computation | 15-122
Mathematical Foundations for
Computer Science | 15-151
Great Practical Ideas for
Computer Scientists | 15-131
Matrices and Linear
Transformations | 21-241
AP Calculus BC
AP Physics 1

Profile

Resourceful, effective, and detail-oriented computer scientist possessing strong leadership and communication skills. Innovative programmer who integrates keen organizational prowess with ingenuity to produce polished projects and programs.

Projects

Bit Stories | LEAD DEVELOPER, GIT REPO MANAGER
September 2017–October 2017 | Pittsburgh, PA
- ❖ Coordinated team and delegated workload for web app, which encourages creativity and individuality in students through real time story-telling.
- ❖ Stories accessible through database powered by MongoDB. Unites Bootstrap, Socket.IO, and Angular APIs for a seamless, user-friendly experience.

Fractal Explorer | SOLO DEVELOPER, GIT REPO MANAGER
Summer 2017 | Pittsburgh, PA
- ❖ Developed website which uses WebGL to construct lightning-fast and scalable renderings of Mandelbrot and Julia fractals on the complex plane.
- ❖ Clean, dynamic interface that features intuitive gestures powered by Hammer.js. Optimized for most devices, including mobile and touch screens.

Ultimate T3 | SOLO DEVELOPER, GIT REPO MANAGER
October 2016–November 2016 | Cupertino, CA
- ❖ Website runs a highly strategic variant of classic tic-tac-toe called ultimate tic-tac-toe, played on a 9x9 board. Responsive design showcasing Bootstrap.
- ❖ Artificial intelligence uses minimax algorithm with alpha-beta pruning for efficient tree searching. Multiplayer mode utilizes Node.js, Express, and Socket.IO.

Activities

Varsity High School Cross Country | TEAM CAPTAIN | Fall 2014–Fall 2016
- ❖ All Central Coast Section Honorable Mention | December 2016
- ❖ Featured in Mercury News—1st in De Anza League Championships | Nov 2016
- ❖ Most Outstanding Athlete | Nov 2016 ◇ Spirit of Running Award | Nov 2016

Varsity High School Track | TEAM CAPTAIN | Spring 2014–Spring 2017
- ❖ Most Valuable Athlete | May 2017 ◇ Most Inspirational Athlete | May 2016

Honors

- ❖ National Merit Finalist | 2017 ◇ AP Scholar with Distinction | 2017 ◇ Le Grand Concours Two Time Gold Medalist | 2015–2016