

Howard Huang

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<https://howardhuang.xyz/>

Education

HARVARD COLLEGE

Relevant Coursework: CS61 (Systems Programming and Machine Organization), CS124 (Data Structures and Algorithms), CS145 (Networking at Scale), Math22A/B (Linear Algebra and Vector Calculus)

Varsity Lightweight Crew, Datamatch.me, OUT Theater

Cambridge, MA

2022-2026

BELMONT HILL SCHOOL

National Merit Finalist, Cum Laude, AP Scholar with Distinction, Spanish Prize, Goodband Biology Prize, Middle School Academic Achievement Award, NE Math League School Winner (3x), AIME Qualification (3x), AMC 10/12 school winner (3x), Peer Tutor Award, Bell Prize

Extracurriculars: Panel Newspaper (Co-Editor-in-Chief), Varsity Crew (Co-Captain), Varsity Nordic Skiing (Captain), Peer Leader Program, School Orchestra (President), Venture Capital Club (Co-Founder/Co-Leader), Podium Magazine (Executive Editor), Peer Tutor, Cooking Around the World Club, Spanish Club

Belmont, MA

2017-2022

Experience

BAM.Money

Cofounder/Business Technologist

Worked directly with Cofounder to roll out a new Marketplace for illiquid assets. Tested platform for bugs and fixed them, advising on DLT and blockchain applications. Led distribution and gamification efforts. Revamped website frontend.

New York, NY (remote)

July 2022 – Present

BROAD INSTITUTE of MIT and HARVARD, Xavier Lab

Research Assistant

Studied mouse models using Computational Biology (Downstream Data Analysis). Interpreted scRNA-seq datasets, R, and Python to study gastroenterology (IBD). Worked on project studying effects of bacterial infection on mouse intestinal epithelial cells.

Cambridge, MA (remote)

Nov 2020 – May 2022

Skills

Technical: Python, R, Java, C++, HTML/CSS/Javascript, ReactJS

Language: English (Native), Chinese (Native), Spanish (Working Proficiency)

Portfolio

Personal Website at <https://howardhuang.xyz/>

Used HTML, CSS, JS, and ThreeJS to create a personal website.

Website for Open Source Browser Project at <https://bonbon.exchange/>

Used HTML and CSS to throw together a quick website.

Computational Biology Research Project <https://github.com/PerpetualOwl/RegeneronSTSCode>

Used Python and R to write coding guide along with research paper using scRNA-seq data to study effects of bacterial infection in mouse intestinal epithelial cells.