

Ben Cuan

I am a student software developer looking to pursue an education in Cognitive Science and Human-Computer Interaction. I specialize in frontend development and especially enjoy developing responsive and simple user interfaces in a variety of applications, including websites and games.



Education

Monta Vista High School

August 2015 to June 2019 | Cupertino, CA

I am currently a Senior with a GPA of 3.97 (unweighted). Courses I have taken include: AP Calculus BC, AP Computer Science A, AP Physics C, AP Chinese.

Concurrently enrolled at De Anza College with a 4.0 GPA. Courses include General Psychology and Calculus 1C/1D.

Experience

Bananium Labs - Chief Operating Officer

November 2017 to Present | Cupertino, CA | bananiumlabs.com

Cofounded and currently oversee two computer development projects at Bananium Labs, a 501(c)(3) nonprofit organization with the purpose of providing educational and monetary resources to aspiring developers.

Two Terabyte Studios - Cofounder and Code Lead

August 2016 to Present | Monta Vista High School | bananiumlabs.com/2tbs

Cofounded and led a game development club which provides students the resources to collaborate and develop video games as a team.

LaunchHacks - Executive Director

June 2018 to Present | Monta Vista High School | launchhacks.tech

Directed a team of 10 to organize a hackathon for approximately 200 high school students, which involved contacting sponsors, designing a website from scratch, and coordinating logistics such as catering and venue reservation.

Projects

Frontend Web Development

September 2015 to Present

Main contributor to websites for LaunchHacks, Bananium Labs; contributed to the MVRT website (mvr.com); I design websites using HTML/CSS/JS and JQuery.

AtomBlast

June 2018 to Present

Online multiplayer arena game with a chemistry-themed twist. Players control atoms and form compounds to use as weapons and defense items. Built with PixiJS and a NodeJS backend.

Hackathon Projects

April 2017 to Present

Attended 8 hackathons where I developed impactful software and hardware projects such as CarrotCane, an affordable cane attachment for the visually impaired, and AudiSea, a virtual reality audio visualizer; four of my projects won awards.

Skills

Web Based Technologies

JavaScript and TypeScript
HTML and CSS
Angular
React
Node.js
Firebase
jQuery

Computer Graphics and Rendering

Unity (C#)
AFrame/WebVR
Blender
PixiJS

Other Programming Experience

Java (APCS A)
C++ (Robotics)

Awards

1st Place at TinoHacks

April 2018

4th Place at MenloHacks

March 2018

4th Place at Pioneer Hacks

March 2018

Best Website at Firebird Hacks

November 2017