

Xinzhe Chai

Undergraduate Student

Providence, RI
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Education

Brown University

Anticipated Graduation: May 2023

Intended Concentration: Computer Engineering & Statistics, GPA: 3.86/4.00

Relevant Courses: Intro to CS in Java, Honors Intro to Engineering, Algorithms and Data Structures, Linear Algebra, Multivariable Calculus, Intro to Scientific Computing, Intro to Econometrics

United World College Changshu China

August 2016 to May 2019

IB Bilingual Diploma Awarded

Academic Project

JavaFX Application: Evolution

Introduction to Object-Oriented Programming (CS15)

Recreated Flappy Bird game and implemented Neural Network to train birds to jump on their own.

Worked independently and submitted as the final project of the course. Project code available upon request.

Flask Web Application: Goodreads

CS50's Web Programming (EdX)

A book search web application built from scratch, with Python, Flask, PostgreSQL, and HTML/CSS. Main functionalities include querying from database, displaying comments, and providing relevant book information via accessing Goodreads and OpenLibrary API. Project deployed at <https://rb.gy/9wq9zk>, code available on GitHub.

Leadership Experience

TEDxUWCChangshu: Licensee and Organizer

August 2016 to May 2019

Led a team of 20 people in the TEDxUWCChangshu and organized 3 TEDx events in total.

In charge of the funding of the TEDx events and overall coordination of 4 internal teams.

Attracted 800+ paid audiences from Changshu, Suzhou and Shanghai to attend the TEDx events.

Mini-UWC Summer Program: Media Project Manager

August 2016 to August 2019

Co-led a team of 6 to publicize Mini-UWC on social media, in charge of camp photography and program media production

Delivered three 2-hour workshops on media strategy and publicity, received the highest rating in post-program survey.

Taught basic phone photography classes (daily) to teenagers of 12-16 years old with a hands-on approach.

Extracurricular Activities

Full Stack at Brown: Organizer/Developer

March 2020 to Present

Designed detailed schedule and logistical arrangements for the Hack@Home online hackathon, scheduled in fall 2020.

Participated in weekly discussion on improving the current Brown Dining website (new full-stack project).

Student Philanthropy Council: Media Team Member

August 2019 to Present

Worked with a group of 5 to develop media strategies for SPC on Instagram and Facebook.

Helped to organize "Giving Tuesday" for Brown Fund; event gathered over 4000 donors and raised \$1,709,387 in total.

Skills and Awards

Awards

Accenture Prize for Technology Innovation, Hack@Brown 2020

Technical Skills

JavaScript, HTML/CSS, Java, Python, MATLAB, SolidWorks, Adobe Creative Suite (XD, Lightroom, Animate, Photoshop)

Portfolio

Photography Portfolio: <https://chai.photography>

GitHub: <https://github.com/chaixinzhe2000>