

# Xinzhe Chai

BROWN UNIVERSITY '23 // COMPUTER ENGINEERING & STATISTICS SC.B.

## EXPERIENCES

### KEVA HEALTH

Web Development Intern / July 2020 – August 2020

- Redesigned and built company website with WordPress, HTML and CSS. Project viewable at kevahealth.com; website currently generates 500+ monthly views.
- Coordinated content production on 6 webpages, completed site migration and provided timely support during unexpected downtime.
- Drafted company's social media strategies (visual design, lead generation); drove 30% growth on LinkedIn followers in two months.

### FULL STACK AT BROWN

Full Stack Engineer & Hackathon Organizer / January 2020 – Present

- Led a team of 3 to design and implement the Brown Institute of Policy website. Technology used includes Figma, JavaScript, HTML and CSS (ongoing).
- Contributed to the Brown Q&A as a full stack engineer (Handlebars and Express).
- Organized Hack@Home online hackathon with a team of 15; designed internal and external event schedules, assisted panel recording and media production.

### GALEA HEALTH

Software Engineering Intern / July 2020 – August 2020

- Implemented the new home page for Galea's Angular webapp using HTML/CSS.
- Resolved 30+ tickets related to webapp's front-end issues on Asana.

### TEDxUWCChangshu

Licensee & Organizer / August 2017 – May 2019

- Led a team of 18 and organized 3 TEDx events. In total, events attracted more than 800 people to attend from multiple cities around the region.
- Managed and coordinated the 4 groups inside the organizing team; sketched and published event visual design using Adobe Animate and Photoshop.
- Oversaw budget, funding, and sponsorship of the event; Raised 20,000 CNY in total through ticket revenue and school sponsorship.

### MINI-UWC SUMMER PROGRAM

Media Project Manager / August 2016 – August 2019

- Co-led a team of 6 to publicize Mini-UWC on social media, in charge of camp photography and program media production.
- Taught photography classes daily to teenagers of 12-16 years old with a hands-on approach, received the highest rating in post-program survey.

## PROJECTS

### GOODREADS PREMIUM Flask, PostgreSQL & HTML / May 2020

- A book database that allows users to query 5000+ titles and post their reviews. Each book has a detail page that presents information from Open Library and GoodReads API. Implemented a simple user authentication system, and an API that returns book information from scratch. Project demo available on goodreads.xchai.me.

### EVOLUTION JavaFX / May 2020

- A classic flappy bird game with Neural Network. Used 4 input nodes, 1 intermediate layer, and ReLU function to implement the Neural Network. Birds start to learn after the first few iterations, and the algorithm tends to converge around 50 iterations.

### TRADE TRACKER (ONGOING) Python, Pandas / May 2020

- A command line interface that tracks and analyzes realized profit for stock trade. The motivation behind building this tool comes from my eagerness to check my profits and reflect on my trades. The tool utilizes Pandas to perform number operations and saves trade data in an Excel file. Code available on GitHub.

## CONTACT

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## SKILLS & INTERESTS

### PROGRAMMING

Java, Python, Flask, JavaScript, MATLAB, R, SQL, HTML/CSS, Pandas

### SOFTWARE

Adobe XD, Figma, SolidWorks, RStudio, Animate, Lightroom

### INTERESTS

Flight Simulator, Photography

## COURSEWORK

### COMPLETED

Object-oriented Programming, Data Structures & Algorithms, Linear Algebra, Multivariable Calculus, Statistical Inference

### ENROLLING IN

Computer Systems, Hypertext, Deep Learning, E&M, Biostatistics and Data Analysis

## AWARDS

Accenture Prize for Technology Innovation

Hack@Brown 2020