

# Vivian Li

*Aiming to leverage a unique and intriguing knowledge of how pedagogy and human behavior can be applied to user experience and user interface*

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**GITHUB:** <https://github.com/vivsli>

**PORTFOLIO:** [vivs-portfolio.herokuapp.com](https://vivs-portfolio.herokuapp.com)

**ART:** [sites.google.com/view/vivsliportfolio](https://sites.google.com/view/vivsliportfolio)

## EDUCATION

### BROWN UNIVERSITY

*Expected graduation May 2020*

**GPA: 3.95/4.0**

*Computer Science/Psychology Double Major*

*Education Minor*

### Relevant Coursework

- User Interface and User Experience
- Introduction to 3D Animation
- Social Psychology
- Collective Cognition
- Mind, Brain, Behavior
- Statistical Methods

### Awards, Honors, Certifications

- Dean's List
- Engaged Scholars Program: for students who are passionate about contextualizing abstract theories and challenging assumptions for the betterment of communities
- Scholastic Art and Writing Awards  
National Gold Medal in Drawing and Illustration
- Atlantic Coast Conference Academic Honor Roll
- Teaching English as a Foreign Language (TEFL) Certification
- Girls Who Invest Online Intensive Program

### Extracurricular Activities

- Brown University Division I Fencing Team
- DAEBAK Dance Association Co-Communications Chair

## WORK EXPERIENCE

### RESEARCH ASSISTANT

*Brown University / Jun 2020 – Present*

- Finalized and prepared coded interview answer databases for statistical analysis using *Epidata Entry* and *Microsoft Excel*
- Analyzed the correlations between socioeconomic class and the coded answers from child interviews using *R* to draw evidence-based conclusions on the impact of culture on learning beliefs in children
- Overrode corrupted data to enhance reliability of research conclusions

### K-12 SAT/SPANISH TUTOR

*Self-Employed / Jun 2016 – Present*

- Designed and executed personalized curricula for 18 students
- Managed all scheduling coordination with both parents and students
- Improved students' grades/SAT scores such that they could enroll in higher-level courses and increase their GPA

### ENGLISH TEACHER

*WorldTeach, Riobamba, Ecuador / Jun 2019 – Aug 2019*

- Designed an engaging English-learning curriculum through music
- Taught 111 children from ages 3 - 15 years old in Spanish for 6 weeks
- Collaborated with teachers and camp counselors to create an immersive, English-Learning summer camp for an underserved community.

## PROJECTS

**ITERATIVE DESIGN:** Created an interactive hi-fi prototype of a desktop website using *Figma* for Quell, a pioneer in fitness gaming. The first iteration was user-tested via *Usertesting.com* and the feedback was incorporated into later iterations.

**MOCKUPS AND RESPONSIVE WEB DESIGN:** Redesigned the class website for a computer science class. The original website was first analyzed for usability and accessibility using *WebAIM WAVE* and a *screen-reader* respectively. I then created wireframes using *Balsamiq* and then made a mock-up using *Adobe XD*. Finally, I transformed my mockup into a real responsive website using *HTML* and *CSS*.

**PROGRAMMING WITH REACT:** Coded a website using *React* that allows the user to view all my previous art works and also sort and filter the artwork along certain criteria (i.e. oldest to newest, medium used, etc.) The website was deployed using *Heroku* and can be found here: <https://my-art-cart.herokuapp.com/>

**3D ANIMATED SHORT FILM:** 3D animated a short film using *Maya Autodesk* and *Arnold Renderer*. Watch it here: <https://youtu.be/BPSvNsn7N08>

**A/B TESTING:** Performed an A/B test using two different shopping cart interfaces. User logs were parsed and cleaned with *Microsoft Excel* and statistical analysis were conducted using my own hand-coded Python script.

**\*For more projects, see my design portfolio linked above\***

## SKILLS

### PROGRAMMING:

Proficient in  
Experience in

*Python, HTML, CSS, Scala, Java  
JavaScript (+React), R, Flutter*

### DESIGN:

Low to High Fidelity Prototyping  
Personas + Storyboarding  
3D Modelling and Animation  
A/B Testing  
Responsive Web Design

*Adobe XD, Figma, Balsamiq, Invision  
Procreate  
Maya Autodesk, Adobe Premier Pro  
Python  
HTML, CSS, JavaScript (+React)*

### OTHER:

Traditional Art  
Languages

*colored pencil, oil paint, ink, graphite, watercolor  
fluent English and Chinese, advanced Spanish, intermediate Japanese*