Monica Song

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Education

HARVARD UNIVERSITY
B.A. in Computer Science
August 2015 - June 2019
Cambridge, MA
Cum. GPA: 3.72

LA CAÑADA HIGH SCHOOL
September 2011 - June 2015
La Cañada Flintridge, CA
GPA: 4.7 W, 4.0 UW

Skills

PROGRAMMING
Python • OCaml • C • Javascript • Matlab
Tools and Frameworks:
Flask • Psychopy
Web Templating:
HTML • CSS • Bootstrap

DESIGN
Graphic Design:
Adobe Photoshop • Adobe InDesign • Adobe Illustrator
Prototyping:
Invision

Coursework

UNDERGRADUATE
Linear Algebra
Functional Programming
Probability
Data Science
Theory of Computation
Artificial Intelligence

Interests

Ballet, design, entrepreneurship, food innovation, traveling, social psychology

Experience

DESORA, Smart Home Cooking Appliance Startup
Product Design Intern | June 2017 - August 2017

- Worked with engineering teams to completely redesign existing smart home mobile app. Wireframed the Register, Connect, and Cook user flows.
- Increased website traffic by over 400% using various SEO techniques.
- Pitched, storyboarded, wrote, and created 45-page lab report detailing the company's scientific and product design process. Available for public distribution in 2018.

HCS DATAMATCH, Algorithm-based Matchmaking Service
Website Programmer and Designer | September 2016 - Present

- Fine-tune existing CSS and Javascript code to improve user experience of the sign-up, survey, and results processes.
- Conceived of and designed entirely new website credits page.
- Created promotional materials for publicity campaign, ultimately leading to a record high number of sign ups in 2017.

CARAMAZZA LAB, Cognitive Neuropsychology Laboratory
Research Assistant | January 2016 - June 2016

- Designed and programmed experiment using Psychopy.
- Worked with Gilles Vannuscorps to demonstrate human biases in our perception of representational momentum and apparent motion.
- Created stimuli by recruiting and photographing individuals and photo-manipulating their limbs.

Activities

HARVARD BALLET COMPANY, Student Dance Group
Producer | September 2015 - Present

- Collaborate with directors and dancers to plan production timeline and deadlines to ensure a successful show opening and run.
- Recruit and train 5-member tech crew for stage managing, house managing, and sound operating roles.
- Designed lights and projections for the Spring 2017 and Fall 2016 shows.

THE CRIMSON, College Newspaper
Designer | August 2016 - Present

- Worked with design editors, tech editors, and president to mock-up redesign of thecrimson.com homepage (15 million page views per year).
- Implemented mock-up using templating language Jinja.

Projects

STEEPTIME, Web-based Application for Tea Aficionados

- Implemented using Python, Flask, and Javascript. Designed with Bootstrap and HTML5.