

ANDY M. CHENG

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EDUCATION

Rice University

B.A. Cognitive Sciences

Houston, TX GPA: 3.5

Aug 2017 - May 2021

SKILLS

Code

Intermediate

Python

HTML5

CSS

Microsoft Office Suite

Basic

InVision

Figma

R

MATLAB

COURSEWORK

Rice University

Computational Thinking

Statistics for Data Science

Computational Applied Mathematics

Linear Algebra

Neurosystems

Cognitive Psychology

Georgia Tech

Intro to User Experience Design

CalArts

UI/UX Design Specialization

INTERESTS

Cooking, Coffee, Weightlifting

EXPERIENCE

The Computer-Human Interaction Laboratory

Research Assistant

January 2019 - present

- Developing pseudo mobile application for a more usable approach to two-factor authentication
- Collecting, coding, and analyzing data in a usability experiment to verify that the new design achieved a significant, positive usability change

Design for America

Project Team Member

January 2019 - present

- Analyzing the practices and policies of successful, sustainable community gardens in urban food deserts in Houston
- Designing a new system and tool for Urban Harvest to boost failing community gardens' performance in food deserts

HackRice Committee

Website and Publicity Team Member

January 2019 - present

- Designing and deploying a new landing page for HackRice 8.5 to improve its usability
- Creating documentation for the old and new landing page to increase its comprehensibility

Rice Coffeehouse

Barista

February 2018 - present

- Working 14 hours a week with a diverse team at a student run business
- Interacting with customers from the Houston community to provide consistently exceptional service
- Tracking daily purchases and sales to identify financial discrepancies

PROJECTS

Team Wiess Website - HTML/CSS

- Redesigned a new, minified website for the residential college Wiess utilizing Bootstrap framework and jQuery

Stock Prediction - Python

- Built models of stocks' behavior based on past performances using Markov chains as the statistical model and used constructed models to predict future behaviors of stocks

Map Search - Python

- Implemented three search algorithms (BFS, DFS, A*) to explore street maps to find a route from a start-point to an end-point