

# HUAYUN HUANG

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[huayunh.github.io](https://huayunh.github.io)

Human Computer Interaction + Mathematical Science  
Graduating Spring 2019  
Carnegie Mellon University

## Experiences

Check [huayunh.github.io](https://huayunh.github.io) for a comprehensive portfolio.

### User Experience Intern, Eaton [Summer 2018]

- User-studied, designed, iterated, and delivered, as lead designer, a human-machine touchscreen interface for a commercial light switch. The final design was enthusiastically endorsed by the client.
- Built data visualization libraries for Eaton's internal design language system.

### User Experience Intern, Eaton [Summer 2017]

- Conducted user studies; Storyboarded, designed, prototyped and implemented a website on my own initiative.
- Learned agile management, design critiques, and interpersonal communications. Became adept with studio collaborative culture.

### Research Assistant, Carnegie Mellon University [Spring 2016 - Summer 2017]

- Led a group to apply data science with machine learning to help diagnose balancing problems in recovery from orthopedic surgery.
- Reconstructed a stress-inducing software package for laboratory use. Learned to think critically and creatively. Work was deployed for NSF research grant.
- Provided opinions from a designer's perspective, and learned to communicate with engineers.
- Consistently recommended by Professors.

## Activities

### Chinese Wikipedia [February 2017 - ]

- Host and Coordinator for the writing contests "WikiCups" and "Wikipedia Asian Month".
- Wrote two peer-reviewed, featured articles.
- Used design skills to provide guidance to newcomers.
- Earned the trust and confidence of the local community as an active contributor.

### Ingress Pittsburgh [September 2014 - May 2016]

- Hosted and coordinated two global gaming events that attracted more than 1,000 people.
- Hosted four local events for Ingress gamers to battle together.
- Served as local community moderator.

## Skills

Python · JavaScript · NodeJS ·  
HTML/ CSS · Bootstrap · Swift ·  
Java · C · SQL

Adobe Suites · Sketch

User studies · UI/UX design

Fluent English / Chinese

## Courses

### HCI

Interaction Design Studio I

Interaction Design Studio II

Human Factors

User-Centered Research & Evaluation

Programming User Interfaces

Social Web

Cognitive Psychology

"Twitch Plays" Game Design

### Mathematics

Calculus in 3D

Discrete Math

Numerical Methods

Combinatorics

Algebraic Structure

Operations Research I

Linear Algebra

Probability

Basic Logic

Real Analysis I & II

### Computer Science

Fundamentals of Computing

Principles of Funct. Programming

Principles of Imperative Computing

Introduction to Computer Systems

Introduction to Machine Learning

CS Pedagogy