

# Andrew Chuang

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## EXPERIENCE

### Carnegie Mellon University

BS Statistics and Machine Learning, 2022

Additional Major in Human-Computer Interaction

#### Research Intern | UCSD Design Lab

*June 2020 - September 2020*

Generate different sketches and prototypes of creative search engines. Coordinate interviews with 20+ participants. Design study tasks and corresponding questionnaires. Analyze search log data to yield insights regarding user search behaviors.

#### Business-AI Intern | West Virginia University Medicine IT

*May 2020 - August 2020*

Transformed raw enterprise and clinical data into enriched forms. Created different iterations of machine learning models to yield ones that can best predict patient outcomes. Presented visualizations and insights to senior leadership and clinical staff.

#### Research Assistant | Human-Computer Interaction Institute

*January 2020 - May 2020*

Modified classifier that evaluates the usefulness of a Twitter image's alternative text. Developed web interface that can test the effectiveness of an image's alternative text or receive alternative text generated from uploaded image.

## EXTRACURRICULARS

#### Executive Board Member | Activities Board

*May 2019 - Present*

Currently serving as **Finance Chair** for school programming board, overseeing \$350k+ budget and assisting chairs on budgeting, allocations, and reimbursements. As **Publicity Chair**, worked with six assistant chairs in three committee subteams: design, marketing, and web development.

#### Resident Assistant | Carnegie Mellon Residential Education

*August 2019 - May 2020*

Provided mentorship and guidance for 24 first-year residents. Held events centered around wellness, decision-making, cultural competency, and social responsibility for 160+ residents in housing community. Supervised community house council.

## SKILLS

**Programming:** Python (including Pandas, Scrapy, Sci-kit Learn), HTML/CSS, R, C

**Software:** Adobe Photoshop, InDesign, Illustrator, XD, Figma, Solidworks, Tableau, Microsoft Office Suite

**Methods:** Interviews, Data Analysis, Journey Mapping, Affinity Diagrams, Usability Testing, Speed Dating, Persona Analysis, Storyboarding, Wireframing