# CHRISTINA MA

+1(412) 736-8371

qianoum@andrew.cmu.edu

## Skills

**Programming Language:**
Python (Intermediate)
C (Intermediate) / R (Basic)

**Natural Language:**
Mandarin / English

**Research**: SPSS / ELAN

**Design Tool**:
Adobe (AE/PR/PS/AU) / CAD

**Productivity:**
Apple iWork / Microsoft Office

## Honors & Awards

**First Place, College Prose,**
20th Annual Martin Luther
King Jr. Writing Awards
*2019 (Regional)*

**Honorable Mention,** "Visionary"
Photography Competition
*2018 (National)*

**First Prize,** China Thinks Big
*2017 (National)*

## Personal Interests

Traveling, Museum Visiting, Roller
Coaster Riding, Musical Theatre

## Education

**Carnegie Mellon University, Pittsburgh, PA**          *May 2022*
  Bachelor of Science in Cognitive Science  |  GPA: 3.86/4.0
  Courses: Imperative Computation; Experimental Design; Cognitive Psychology; Writing (Art, Data)

## Research

**Research Assistant, Multimodal Analytics with Math Learning**     *Dec. 2019-present*
· Help a PhD annotate multimodal data and specify rubrics and problem solving stages (ELAN, R)

**Independent Study, Carnegie Museum of Art Website Research**   *Sept. 2019-present*
· Received a $500 SURG grant with the proposal: *Improving Art Museums' Websites to Support Teachers and Parents — a Case Study of the Carnegie Museum of Art's Website*
· Review literature, design evaluation rubrics, conduct a comparative analysis, and develop a survey

**Research Assistant, Cognitive Development Lab**          *Feb. 2019-present*
· Help a postdoc's project on children's semantic structure, extract and clean data from Common Crawl corpus, and calculate and analyze Point-wise Mutual Information scores (Python, R)
· Trained on social and behavioral research and helped lab tasks in detailed-oriented manner

**First Author, Corresponding Author, Mobile Library Research**   *Dec. 2016-Mar. 2017*
· Led a team of five members to use case study, interview, questionnaire, and field investigation and proposed a six-stage model of mobile library
· Wrote 90% of the paper: *How to Improve the Operational Mode of Book-donation Projects*, which won the National First Prize in CTB among 10,000 participants from 27 countries

## Experience

**Product Design Intern, Marketing Volunteer, Expii, Inc.**     *Oct. 2018-July 2019*
· Assisted user experience research for online math course and communicated with multiple teams
· Designed promotional materials including posters, slides, and animations for online talks
· Wrote about mathematic competitions and received average view of 1,000+ on each article
· Arranged visit and assisted teaching at rural Chinese schools for CMU math professor

**Content Creator, CS1b, CMU CS Academy**          *Sept. 2018-July 2019*
· Created 15+ exercises for students to learn python with graphics and helped testing before launch
· Helped designers brainstorm about checklist feature and proposed marketing strategies

## Leadership

**VP of Communications, Project Advisor, Project Ignite**      *Nov. 2018-present*
· Expand club's influence and recruited 50% more CMU and high school students than last year
· Collaborated to lead 5 high school students work on an image caption generator in 10 workshops

**Team Lead, CMU Innovation Entrepreneurship Association**    *Aug. 2018-June 2019*
· Collaborated across marketing and competition department to brainstorm and organize events
· Helped plan 2019 summit and New Venture Competition; connected with startups and incubators