

# Grace Guo

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## Education

### Carnegie Mellon University

May 2018

Bachelor of Science in Cognitive Science  
Additional Major in Human-Computer Interaction

QPA: 3.89, Dean's List High Honors

Notable courses: Applied Machine Learning, Software Structures for User Interfaces, Introduction to Computer Systems, Learning in Humans and Machines

## Skills

- Python 2/3
- HTML/CSS
- Javascript
- C
- Photoshop
- InDesign
- Illustrator
- After Effects
- InVision
- SPSS
- WEKA

## Experience

### UX Researcher, Cognitive Tutor Authoring Tools

Jan 2018

CMU Human-Computer Interaction Institute, Pittsburgh, PA

- Present

- Redesign CTAT for greater adoption in institutes of higher education
- Prototype multiple iterations of CTAT tutorials for greater efficacy
- Conduct user research to improve approachability and comprehensiveness
- Implement redesigned website for clients

### UX Researcher, macroinvertebrates.org

Sep 2017

CMU Learning Media Design Center, Pittsburgh, PA

- Present

- Conduct user research to improve macroinvertebrates.org for novice citizen scientists
- Perform quantitative and qualitative data analyses to understand expert versus novice practices when identifying specimens
- Create visualizations to model and communicate expert strategies when faced with uncertainties

### Teaching Assistant, Fundamentals of Programming and CS

Sep 2015

Carnegie Mellon University, Pittsburgh, PA

- May 2016

- Led recitations on Python programming
- Planned and conducted lectures on data-mining and html parsing in Python
- Mentored student capstone projects to provide guidance where needed

### Teaching Assistant, Cognitive Psychology

Sep 2016

Carnegie Mellon University, Pittsburgh, PA

- Dec 2016

- Conducted review sessions on cognitive psychology concepts
- Held office hours for weekly lectures and homework content review

### Research Intern, I<sup>2</sup>R

Jun 2015

Agency for Science, Technology and Research (A\*Star)

- Aug 2015

- Wrote Python code for understanding user interests based on Instagram posts
- Used Instagram API to mine posts from Instagram
- Analyzed user interests based on posts and designed Python program for recommending extra content