

# JESSICA XIAO

Portfolio: [jessicaxiao.com](http://jessicaxiao.com)

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## EXPERIENCES

### Course Tutor for 15-251, Great Ideas in Theoretical CS (Jan '20 – Present)

- Meet with current repeat student on a weekly basis and advise them on course content
- Reconvene with Professor Ada and other course tutors to discuss better learning and tutoring strategies

### Research Assistant @ HCI Institute, CMU (Jan '19 – Aug' 19):

- Cooperated with research partner to fully implement real-time collaboration system for middle school students
- Organized user testing to inform iterative design process
- Addressed differentiated/personalized learning

### Software Engineering Intern, AI Team @ Hopscotch Health (Summer '19):

- Trained machine learning model to improve AI system
- Developed data visualizations for analysis
- Programmed back-end flow of nutritional programs.
- Communicated with contractors to manage the front-end development of health app.

### Programmer in "Story Trails" Project in Design for America (Sep '18 - Present):

- Consult Autism Society of Pittsburgh and Children's Hospital of Pittsburgh to learn about social stories for autistic children.

## EDUCATION

### Carnegie Mellon University | May '22 | GPA: 3.77

Candidate for B.S. in Computer Science,  
Additional Major in Human-Computer Interaction

### Southridge High School | IB Diploma | GPA: 4.56

## SKILLS & INTERESTS

**Technical Skills:** Python, C, SML, UNIX, HTML, CSS, JavaScript, C++, LaTeX, Git, Flask, Mongo, Pandas

**Developing:** Matplotlib, Google Data Studio, Vue, CircleCI, React Native, Ionic, BigQuery, Google Cloud Platform, Celery, Firestore, Firebase

**Interests:** Painting, Swimming, Traveling, Volunteering, Journaling

## COURSEWORK

Introduction to Computer Systems	15-213
User Centered Research and Evaluation	05-410
Great Ideas in Theoretical CS	15-251
Principles of Imperative Computation	15-122
Principles of Functional Programming	15-150
Mathematical Foundations for CS	15-151

## HONORS / AWARDS

**Dean's List** Spring '19 & Fall '19

**Valedictorian** @ Southridge High School

**ELK Most Valuable Student** Top 20 National Finalist

**Coca Cola Scholar** Regional Finalist

**U.S. Presidential Scholar** Semifinalist

**Congressional Art Competition** Winner

**Scholastic Art Awards** – Gold & Silver Keys

**Celebrating Art Magazine** Published Artist

## ACTIVITIES

<b>Co-Chair of Design for America</b>	2018-Present
<b>Co-Chair &amp; Selected Member of Mayor's Youth Advisory Board</b>	2014-2018
<b>President of Key Club</b>	2014-2018
<b>President of Uganda Club</b>	2015-2018
<b>Co-Chair of Model United Nations</b>	2015-2018
<b>Selected Member of Principal's Equity Advisory Committee</b>	2015-2018