**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

**Research Assistant @ School of Computer Science, CMU (May ’20 – Present):**

**•** Construct a cryptocurrency system to address lending inequality by leveraging local trust

**•** Currently building a wallet app to support ledger

**•** Proposal paper submitted to IEEE Blockchain-2020

**Lead Researcher, Mentor @ HCI Institute, CMU (Jan ’19 –Aug’ 19, March ’20 - Present):**

**•** Cooperated with research partner to fully implement AI collaboration system for middle school students

**•** Organized user testing to inform iterative design process

**•** Mentored other students in converting software from Flash to HTML/JavaScript/CSS

**•** Individually converted the most tutor software packages in record time

**Course Tutor for 15-251, Great Ideas in Theoretical CS (Jan ’20 – May ‘20)**

**•** Met weekly with repeat student to advise them on course content, resulting in a high passing grade

**Software Engineering Intern, AI Team @ Hopscotch Health (Summer ’19):**

**•** Developed data visualizations for analysis

**•** Programmed back-end flow of nutritional programs.

**•** Communicated with contractors to manage the front-end development of health app.

## Activities

|  |  |
| --- | --- |
| Interaction Design Studio 1 | 05-651 |
| User Centered Research and Evaluation | 05-410 |
| AI Representation & Problem Solving | 15-281 |
| Introduction to Computer Systems | 15-213 |
| Parallel & Sequential Data Structures | 15-210 |
| Great Ideas in Theoretical CS | 15-251 |

## coursework

**Technical Skills:** Python, C, SML, UNIX, HTML, CSS, JavaScript, 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

## SKILLS & Interests

## Honors/Awards

|  |  |
| --- | --- |
| Co-Chair of Design for America | 2018-Present |
| Co-Chair & Selected Member of Mayor’s Youth Advisory Board | 2014-2018 |
| President of Key Club | 2014-2018 |
| President of Uganda Club | 2015-2018 |
| Co-Chair of Model United Nations | 2015-2018 |
| **Selected Member of Principal’s Equity Advisory Committee** | 2015-2018 |

## Education

### Carnegie Mellon University | May ‘22 | GPA: 3.83

### Candidate for B.S. in Computer Science,

### Additional Major in Human-Computer Interaction

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

## Experiences

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

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# Jessica Xiao