

JESSICA XIAO

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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, Ionic, BigQuery, Google Cloud Platform, Celery, Firestore, Firebase

Interests: Painting, Swimming, Traveling, Volunteering, Journaling

EDUCATION

Carnegie Mellon University | May '22 | GPA: 3.78

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

Southridge High School | IB Diploma | GPA: 4.56

COURSEWORK

| | |
|---|--------|
| Great Ideas in Theoretical CS | 15-251 |
| Principles of Imperative Computation | 15-122 |
| Principles of Functional Programming | 15-150 |
| Fundamentals of Programming and CS | 15-112 |
| Mathematical Foundations for CS | 15-151 |
| Probability for Computer Scientists | 36-218 |
| Matrices and Linear Transformations | 21-241 |
| Great Practical Ideas of CS | 07-131 |

HONORS/AWARDS

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 for 1st District in Oregon
Scholastic Art Awards – Gold & Silver Keys
Celebrating Art Magazine Published Artist – Dec '16 Edition

EXPERIENCES

Research Assistant @ HCI Institute, CMU (Jan '19 – Present): Implement collaboration system for middle school students to address differentiated learning. Conduct user testing to inform iterative design process.

Software Engineering Intern, AI Team @ Hopscotch Health (Summer '19): Trained machine learning model to improve core AI system. Developed data visualizations for reporting and analysis. Programmed back-end interaction 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. Program app front- and back-end with customizable and interactive social stories.

Hacker @ Hack 112 Event (Nov '18): Programmed front-end of a Doodle Jump game spin-off that allows users to play hands-free and design their own gameboard.

ACTIVITIES

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| 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 |