

# JESSICA XIAO

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## SKILLS

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

**Artistic Skills:** Highly Proficient in portraits, landscapes, figure drawing with oil, acrylic, pastels, and print

## OBJECTIVE

**I desire an internship that allows me to create technology for the benefit of the users. I hope to advance my technical skills and find opportunities to apply my creative knowledge.**

## EDUCATION

**Carnegie Mellon University | May 2022**

**Bachelor of Science in Computer Science | GPA: 3.55**

**Southridge High School | June 2018 | Diploma**

GPA: 4.56 | ACT: 36 Composite | IB Diploma Program

## COURSEWORK

**15-122 Principles of Imperative Computation**

**15-150 Principles of Functional Programming**

**21-241 Matrices and Linear Transformations**

**15-151 Mathematical Foundations for Computer Science**

**15-112 Fundamentals of Programming and Computer Science**

**07-131 Great Practical Ideas of Computer Science**

**AP Calculus BC, AP Statistics Previously Taken**

## HONORS / AWARDS

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

**Coca Cola Scholar Regional Finalist**

**U.S. Presidential Scholar Semifinalist**

**High School Valedictorian**

**Congressional Art Competition Winner**

**Multiple Gold & Silver Scholastic Art Awards**

## EXPERIENCES

**Research Assistant:** Currently working with the Human Computer Interaction Institute at CMU to merge interactive tutors and specially designed, real-time glasses that update an educator on students' progress.

**Story Trails:** An app that presents social stories to acquaint autistic children with the hospital setting. We are working with the Autism Society of Pittsburgh and the Children's Hospital in Pittsburgh.

**Break-Down Tech:** An interactive application that teaches adults/seniors to use mobile phones.

**Hack 112:** A hackathon planned by the Fundamentals of Programming and Computer Science course staff. My team and I recreated a Doodle Jump game that could sense hand gestures.

## ACTIVITIES

**Design for America, 2018-Present**

**Mayor's Youth Advisory Board** (Selected Member and Co-Chair), 2014-2018

**Key Club (President), 2014-2018**

**Uganda Club (President), 2015-2018**

**Model United Nations** (Co-President), 2015-2018

**Principal's Equity Advisory Committee** (Selected Member), 2015-2018