MADELEINE YIP



OBJECTIVE

Looking for graphics software engineering roles working on studio tools

EDUCATION

Stanford University Computer Science (B.S.), Graphics Art Practice (B.A.) Grad date: Jun 2020 GPA: 3.8

SKILLS

Programming Languages









Programming Skills





See my work at www.github.com/mjyip8

Other:





INTERESTS

Computer Graphics, Animation, Women in STEM, Oil Painting, Running half marathons

WORK EXPERIENCE

WORK EXILITIES	
 Microsoft Explore Intern (PM/Software Dev) Used Javascript to process data client-side for d charts of real-time transactions. Created pop-up notifications feature with Javasc based on user customization and abnormal traff 	2018 cript,
PROJECTS	
 Simulating Four Legged Animal Walking (in proposed pr	uss system 2018
Shading experiments ► Implemented Phong reflectance in C++ and ► Added environment lighting from environme ► Added normal mapping for surfaces	
Mesh Editor ► Implemented Catmull Clark subdivision, lines subdivision and loop subdivision with C++	May 2018
SVG Rasterizer ➤ Anti-aliased edges with super-sampling with ➤ Implemented transforms for zooming capab	
Raytraced image of Terrace at Sunset ▶ Created depth of field effect with C++ and C ▶ Changed shadow rays to travel through glas	•
ORGANIZATIONS	
Stanford Women in Computer Science External Events Chair	2017 - 2019

► Coordinate educational events about

series

interdisciplinary careers in Computer Science

► Lead planning for Spring Distinguished Speakers