## **JESSICA PENG**

_	r, Philadelphia, PA 19104
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University of Pennsylvania, School of Engineering & Applied Science	
Candidate for B.S.E. in Digital Media Design (Computer Science/Com	
Coursework Programming Languages & Techniques II, Data Structures & Algorith Advanced Computer Graphics, Interactive Computer Graphics, Mathe	ns, Computer Systems, JavaScript, Data and Information Visualization, ematical Foundations of Computer Science. Linear Algebra
	rience
The New York Times   New York, NY	June 2018 - August 2018
Graphics Intern (VR/AR) - Immersive Platforms Team, Graphics Desk • Researched and scripted a 3D visual of a particle explosion in May • Prototyped 3D models and photogrammetry assets on iOS using N • Performed R&D on the Microsoft Hololens to explore future mixed • Received credits in the development of two high-profile articles incl Chemical Attack" and "Step Inside the Thai Cave in Augmented Re	a using JSON data for an upcoming science article laya, SceneKit, ARKit, and Sketchfab to visualize AR moments reality capabilities with volumetric video in immersive articles uding "How We Created a Virtual Crime Scene to Investigate Syria's
The Daily Pennsylvanian   Philadelphia, PA Interactive Web Developer - Projects Department	August 2017 - Present
• Design and develop front-end and back-end features of special pro	elopment Team including a Joe Biden infinite runner game (ongoing)
Molex   Lisle, IL	May 2017 - August 2017
Product Management Intern - Power Signal Business Unit  • Spearheaded the production of all 2D/3D graphics and marketing a  • Developed virtual/augmented reality visuals for web and mobile ap  • Photographed, edited, and tracked over 1,000 products for the glob	olications to drive the use of emerging technologies in marketing
University of Pennsylvania   Philadelphia, PA CIS 110 Teaching Assistant	January 2017 - May 2017
<ul> <li>Held office hours for 4 hours per week and graded assignments an</li> <li>Guided students in solving programming problems efficiently and least control of the students in solving programming problems.</li> </ul>	
	cills ———————————————————————————————————
Concepts: Object-Oriented Programming, Functional Programming, Vechnologies & Applications: WebGL, OpenGL, Unity 3D, Microsof MotionBuilder, Illustrator, Photoshop, After Effects, Premiere Pro, Drea Languages: Java, C++, C#, HTML/CSS, JavaScript, jQuery (Familian Frameworks & Tools: Bootstrap, Three.js, Node.js Version Control: Git	t Visual Studio, Qt Creator, SceneKit, ARKit, Xcode, Maya, Mudbox, amweaver, KeyShotVR, Sketch, MapBox, ArcGIS
	jects —————
3-D Crossword (Team Project)   The New York Times Maker Week	Hackathon July 2018
<ul> <li>Designed and developed a browser-based crossword game in a 3E</li> <li>User interacts with the crossword by zooming in/out, panning, and</li> <li>Additional features include auto-complete with music, auto-highligh</li> </ul>	otating it with a touchpad
Kessler Project (Team Project)   Walt Disney Imagineering Finalis	t January 2018
<ul> <li>Chosen as one of the top six teams from over 250 teams nationally</li> <li>Created a holistic themed experience where visitors can travel to o</li> <li>Presented to managers and executives for a week at the Walt Disn</li> </ul>	uter space and explore relics of space history and exploration
Rendering Engine   Advanced Computer Graphics	March 2018
<ul> <li>Built a rendering engine from scratch using C++, Qt, and OpenGL</li> <li>Users can load customized OBJ files into the application and run the</li> </ul>	hat supports naive, direct/indirect lighting, and photon mapping renders e renderer
<ul> <li>Dining Guide (Fall 2017 &amp; Fall 2018 Edition)   34th Street Magazin</li> <li>Designed and developed the magazine's annual dining guide featu</li> <li>CSS, JavaScript, Bootstrap, Mapbox, and the Rellax library</li> </ul>	
Act	ivities —————
Society of Women Engineers	January 2040 - Present
Technology Director • Re-design the existing organization web page and coordinate hack	January 2018 - Present athons and technology events with company representatives
Corporate Dinner Committee Co-Director	January 2017 - December 2017

Hobbies & Interests: long-distance running, painting, baking/decorating cakes, U.S. Presidents trivia

\*Also a member of: Women in Computer Science, The Daily Pennsylvanian, and Alpha Phi

• Coordinated SWE's largest networking event of the year comprised of over 150 attendees including students and representatives