Sharon **Gao**

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EDUCATION	**University of Pittsburgh, Dietrich School of Arts and Sciences** Pittsburgh, PA *Bachelor of Science in Computer Science* Expected Graduation: Winter 2018

RELEVANT COURSEWORK
- Algorithm Implementation
- Data Structures
- Introduction to Operating Systems
- Introduction to Systems Software
- Discrete Structures
- Formal Methods in Computer Science
- Wireless Networks
- Introduction to Information Security

TECHNICAL SKILLS

Proficient: Java, Python, C#, C, HTML, CSS, Bootstrap, Git
Knowledgeable: Javascript, jQuery, PHP, Swift

WORK EXPERIENCE

ANSYS (Pittsburgh, PA) September 2017 – December 2017
Software Development Intern
- Developed and maintained Pacer, an automated profiler tool used by the AIM Infrastructure team to investigate performance issues
- Performed defect triage and prevention, with a focus on high-priority issues
- Improved and simplified developer ramp up process with automated scripts

NOTABLE PROJECTS

Swatch
- Developed an iOS application that uses the iPhone camera to sample the colors of objects in real-time to generate complementary, triad, analogous, shade, and compound shade variations

CHIP-8 Interpreter
- Developed an interpreter of the CHIP-8 language that executes machine code instructions to emulate Atari-era games and programs using Python

PyPaint
- Implemented many aspects of Microsoft Paint in a collaborative whiteboard program that updates image edits in real-time using Python

AWARDS

Honorable Mention/Prize Winner – SteelHacks 2017
2nd Place – SheInnovates First Insight Hack Challenge 2017

ADDITIONAL EXPERIENCE
*as a former pre-med major

University of Pittsburgh, Department of Pharmaceutical Sciences Pittsburgh, PA
Research Assistant January 2015 – November 2015
Hisun Pharmaceutical International Hangzhou, China
Research & Development Intern June 2014 – August 2014

VOLUNTEERING/ EXTRACURRICULARS

Pitt Robotics and Automation Society *(September 2017 – present)*
Women in Computer Science *(January 2015 – present)*
Epsilon Sigma Alpha Service Fraternity *(September 2014 – present)*
Asian Student Alliance, PR Leadership Committee *(September 2016 – present)*