

Joyce Wang 王心怡 | website: joycewang.me | email: xinyiw@andrew.cmu.edu

EDUCATION

Carnegie Mellon University Pittsburgh, PA, 2015-2020
B.C.S.A in **Computer Science** and **Drama (Video and Media Design)**
GPA: 3.76/4.0 | Dean's List 6 semesters

WORK
EXPERIENCE

Disney Research lab associate, summer 2018
- Exploratory interface design and prototyping for the authoring of intelligent virtual agents
- Submitted research paper "Conversational Approach to the Creative Authoring of Intelligent Virtual Characters" for ACM IUI Conference (March 2019)

Microsoft Explorer internship, summer 2017
- Designed and implemented web applications for online marketplace service
- Front-end and back-end code have been deployed

Human-Computer Interaction Institute, CMU research assistant, summer 2016
- Designed and Implemented survey applications for studies in mobile privacy

School of Computer Science, CMU teaching assistant for 15-112, fall 2016
- Led recitations, hosted review sessions, mentored students on term projects.

COURSES

Graduate Machine Learning, Applied Machine Learning, Parallel and Sequential Data Structures and Algorithms, Functional Programming, Great Theoretical Ideas in CS, Computer Systems, Imperative Programming, Physical Computing, Humanoid Robot

SKILLS

software engineering: c++, c#, python, java, javascript, web development, Android development
art/design: Unity, Processing/p5.js, Three.js, TouchDesigner, Max/MSP, Millumin, SketchUp, rapid prototyping, Adobe Photoshop, Adobe Premiere
languages: Mandarin (native proficiency), French (preliminary proficiency)

PROJECTS
AND
INITIATIVES

A Study on the Spread of Opinion and Factual Stories on Social Media, 2018-present
- School of Computer Science Senior Honors Thesis
- Advised by Prof. Kathleen Carley (Institute for Software Research)

Interactive media design for "How to Put on a Sock" fall 2017
- theater performance about sex education policies in America today
- created a real-time text message interaction and data visualization system on stage

IMPAQT (Initiating Meaningful Pittsburgh and Qatar Ties), spring 2017-present
- facilitate communication and collaboration between Carnegie Mellon University's Qatar and Pittsburgh campuses
- went on spring break cultural exchange program in Doha, Qatar

CMU Listens co-director, fall 2017-present
- new student initiative dedicated to spreading awareness and competency around the importance of active listening within the Carnegie Mellon campus
- organized on-campus workshops and off-campus retreats

GRANTS AND
AWARDS

Fifth Year Scholarship (Carnegie Mellon University), 2019-2020
USITT-USA Prague Quadrennial 2019 Emerging Designer Exhibit, 2019
The Martin Luther King, Jr. Day Writing Awards College Prose Division (Second Place), 2018
Small Undergraduate Research Grant (Carnegie Mellon University), 2017
CAMD Scholarship (Phillips Academy), 2014-2015