

CHRISTIE CHANG

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EDUCATION

Carnegie Mellon University

Pittsburgh, PA | 2015-2019

B.S. in **Information Systems**
Minors: **Human-Computer Interaction**
and **Engineering Studies**

GPA: 3.72 / 4.0

SKILLS

Programming

Java, Python, HTML, CSS, Arduino

Tools

Photoshop, Illustrator, InDesign,
Dreamweaver, SolidWorks,
Sketching/Drawing

COURSEWORK

Fundamentals of Programming and C.S.
(15-112), Interaction Design Overview,
Rapid Prototype Design, Humanoids,
Intro to Computer-Aided Design,
Machine Shop Practice

INVOLVEMENT

Vice President of Communications and Greek Sing Chair

Delta Gamma Beta Nu, Carnegie Mellon

- Set designer and manager for musical,
part of the Greek Sing Fundraising Event

Design and PR Manager (2016)

Soundbytes A Cappella, Carnegie Mellon

- Designed posters and FB covers for
upcoming concerts

Orientation Leader

previously Orientation Counselor (2016)

- Help with coordination of staff and
ensure that first-years have a smooth,
fun transition during orientation week

EXPERIENCE

HCI Research Intern, Human-Computer Interaction Institute

Pittsburgh, PA | Spring and Summer 2016

- Worked in Java to analyze, organize and match files containing
data that show aggressive and non-aggressive driving habits. Files
are used in driving simulation app that depict these behaviors.
- Ran user-studies with app and analyzed results to see if users can
distinguish aggressive from non-aggressive driving

PROJECTS

Designing Mobile Information Systems, Interaction Design Course

Illustrator, InDesign, InVision, Wireframing, Prototyping, Research, UX Design

- Designed a mobile app that facilitates communication between
customers and home-service providers (technicians, mechanics, etc.)
- Conducted interviews for both home-service customers and
technicians as well as usability testing for the app

Dashboard Design, Interaction Design Course

Illustrator, After-Effects

- Designed a dashboard (single, non-scrolling interface with simple
animations allowing viewer to process and understand information
at a glance) that displays critical road signs for PennDOT officials

Toy Design and Manufacturing, Rapid Prototype Design Course

Research, SolidWorks, Arduino, Machine Shop Apparatuses

- Designed and manufactured a hand-crank xylophone with
adjustable pegs and motorized component powered by an Arduino
- Link: https://courses.ideate.cmu.edu/39-245/s2017/?page_id=1474

Capture & Create: Sketch Editing Program, 15-112 Course

Python, Open-Source Computer Vision

- Created a program that allows users to capture drawings via
webcam as well as edit and add to their drawings. With the
computer vision technology, users have the capability of combining
sketches that were originally drawn separately
- Link: <https://www.youtube.com/watch?v=PwKq9FdEJ1M&t=8s>

ACHIEVEMENTS

Published Academic Paper

Co-author of "Leveraging Human Routine Models to Detect and Generate
Human Behaviors." Published in *Proceedings of the 2017 CHI Conference on
Human Factors in Computing Systems* (CHI '17). [25% acceptance rate]

Dean's List

Fall 2016, Spring 2017