

SAMSON LIU

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ABOUT ME

Educated in architecture and technology, I'm experienced in applying digital expertise to help organize and inspire various design projects.

COURSES

Architecture Studios

Interactive Design Studio
Analog/Digital Media
Enviro

Imperative Computation Computer Systems Web App Development

Data Visualization
Human Factors
User-Centered Research and
Evaluation

HOBBIES

Volunteer:

Offered translation and interpretation from/to Chinese for Carnegie Library, Pittsburgh Parks, and other organizations. Helped new immigrants navigate and integrate to the neighborhood.

Music:

Taught myself to write and produce songs. Helped produce and record songs musicians on campus. Organized events such as "Hack-A-Song" for the school's Independent Musician Organization.

EDUCATION

Carnegie Mellon University

Pittsburgh, PA | Aug 2014 - May 2019

Bachelor of Architecture | Minor in Human Computer Interaction

High School Affiliated to Nanjing Normal University
Nanjing, China

SKILLS

General:

Architecture Design, Model Making, 3D Modeling, Rendering
Product Prototyping, UI/UX Design, User Research

Software:

Rhino 3D, Maya, Grasshopper, Revit, CAD
Unity, Adobe Suite (PS, AI, ID, AE, DM, PR, XD), InVision

Hardware:

Wood Shop, Laser Cutter, 3D Printer, CNC Router

Programming:

Python, C, C# (Unity)
HTML, CSS, Javascript (D3), Django
Data Visualization, Web Programming

Languages:

Chinese (native), English (fluent), Japanese (basic)

EXPERIENCE/PROJECTS

Thesis: Spacy Language

Carnegie Mellon University | Pittsburgh PA | Spring 2019

Designed and built a system in VR to generate spatial experiences based on language input.

Research Assistant for AR Architecture IOS App

Carnegie Mellon University | Pittsburgh PA | Summer 2018

Generated app prototypes, 3D models and produced graphic design for an AR App to introduce various architecture murals in the Fine Arts building on campus. Collaborated with research and software teams throughout the development process.

Language Visualization Hub

Carnegie Mellon University | Pittsburgh PA | Spring 2019

Led a team of 3 people to build a web application to visualize text file input.

Teaching Assistant for Media

Carnegie Mellon University | Pittsburgh PA | Fall 2017

Created lecture material and co-designed assignments to help students develop digital/analog rendering skills.