

HUIYU CHEN

SKILLS AND SOFTWARE

AI & Generative Creation

Exploring human-machine co-creation in coding, sound and visuals.

- Cursor, ML5.JS, Teachable machine, Runway ML, Sora, OpenAI, Kling, Suno, DALL·E, Logic Pro, Ableton Live, Sonic Pi

Creative Coding & Robotics

Coding with visual and sound; Arduino-based modular robots and kinetic systems

- Mixly, p5.js, TouchDesigner, MAX/MSP, Python, Arduino, MIDI/OSC Arduino, Python, 3D printing, prototyping

STEAM Education & Creative Curriculum Design

Designing age-appropriate learning experiences integrating robotics, coding, and creative arts

Motion & Visual Design

Translating sound and interaction into visual stories and motion pieces

- Adobe After Effects, Unreal engine, Animation Design

Prototyping & Collaboration

Fast prototyping, creative documentation, and team-based ideation.

- Figma, Notion, GitHub

ACADEMIC BACKGROUND

2024-2025 **BROWN | RISD DUAL DEGREE**

Master degree in Design Engineering

2018-2022 **PRATT INSTITUTE**

Bachelor's Degree in Communication design

Major in Branding and Art direction

Double minors in Media Study and Photography

- Graduated with highest honor and Consistently on the Honor Roll
- GPA: 3.77
- Recipient of Merit-Based Scholarship from 2020-2022

EDX Verified Online Courses (2021 Summer Vacation)

MIT: Visualizing the Birth of Modern Tokyo | grade: 96%.

2016-2018 **SAINT EDWARD'S HIGH SCHOOL**

- GPA: 3.85
- Represent Saint Edward's School in Indian River Juried Student Exhibition at the Vero Beach Museum of Art
- Receive Scholastic Arts and Writing Awards in the Southeast Art Region

AWARDS & RECOGNITION

- Google UX Design Professional Certificate 2023
- Red Dot Award nominated: Brands & Communication Design 2022
- Merit winner from 3x3 Illustration No.17 2021

CONTACT

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WORK & RESEARCH EXPERIENCE

(2025 June-present) **Robotics Programming Instructor at Abilix Education**

- Teach robotics and programming courses for students aged 6-12, in mechanical design, sensor systems, and coding logic to cultivate STEM literacy and problem-solving skills
- Design engaging classroom activities and innovation projects such as drone programming, smart skateboard design, 3D printing, automatic sorting systems, fascia gun mechanisms, and gesture-controlled devices
- Collaborate in curriculum development and adapt teaching content to match varying age groups and learning levels.

(2025) **Microsoft Garage showcase**

- Developed and exhibited an AI-driven interactive music installation exploring co-creative processes in art and sound with audience in live performance

(2025) **HarvardXR**

- Led social media content creation and engagement strategies, enhanced event exposure and digital reach both online and off line

(2024) **Arts Innovation Research Showcase at RISD**

- Collaborated with a local musician to perform an interactive live piece featuring real-time audience interaction, using TouchDesigner and Arduino to generate Chladni-inspired sound visuals and tactile textures.
- Created visual and social media promotions to increase event visibility and engagement.

(2023) **T + Lab**

VR and EEG Design Workshop

- Conducted VR tests to investigate words, emotions and environments
- Visualization of brain waves with TouchDesigner to create interactive environment

Game Design Workshop

- Integrated the terrain model using UE5, built natural environment and create video plots.
- Edited materials and created 3D models in Gaea to simulate environment

Machine Learning Workshop

- Scrapped data from social media and literature books, then cleaned data in Google collab for analyzing identity transformation
- Mapped data in geographical and chronological order to show the transformation

(2022-present) **Freelance Visual Designer**

- Work with clients to create visual design solutions for branding, marketing, and product design
- Develop and maintain design assets and style guides

(2021) **ByteDance Summer Internship**

UED (User Experience Department)

- Collaborated with design team to create wireframes, prototypes, and final designs for client projects
- Conducted user research and usability testing to improve product design and functionality
- Assisted with design and production of marketing materials, including presentations, brochures, and newsletters