Curriculum Vitae-Jingyi Chu

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Education

Postgraduate:
- **Master of Science** 09/2020/-06/2022
  The University of Edinburgh
  Advanced Design Informatics

Undergraduate: Dual Degree Program-University of Electronic Science and Technology of China (UESTC) & University of Birmingham
- **Bachelor of Engineering with Honours, Class I** 09/2018-06/2020
  University of Birmingham
  School of Electronic, Electrical and System Engineering
- **Bachelor of Engineering** 09/2016-06/2018
  University of Electronic Science and Technology of China (UESTC)
  Optoelectronic Science and Engineering

Projects

App developer, ForceClouds software Co.Ltd & Microsoft Partnership Program 09/2020/-3/2021
- ✧ Built database in Microsoft Power Platform using Dataverse (Common Data Service)
- ✧ Developed CRM app in model-driven app template with plugins (Ribbon Workbench)
- ✧ Technical support for new employees

Contactless Parcel Service - From User Research to Design 09/2020/-12/2020
- ✧ Conducted user research to identify pain points in the UK online shopping experience during the epidemic
- ✧ Designed persona and storyboard
- ✧ Completed product logic plot and design prototype

Why Do Certain Memes Keep Coming Back? – Literature review and game design 09/2020/-12/2020
- ✧ Researched the literature on meme
- ✧ Defined game mechanism model

Scottish School Exam Papers - An Interactive Data Visualization Web Comic 09/2020/-12/2020
- ✧ Analyzed data using Python (Pandas, Regular expressions, seaborn)
- ✧ Draw comics

Digital Visualization - History Documentation of UESTC 08/2019-09/2019
- ✧ Designed a digital visualization interface for the Anniversary Celebration of UESTC
- ✧ Implemented the front-end design through HTML, css, JavaScript, Vue, H5., etc
- ✧ Debugged and optimized the interactive experience

Digital Teaching-Mobile Photography Class 10/2018-11/2018
- ✧ Designed a digital teaching system to achieve a combination of MOOC video and sliding screen interaction
- ✧ Completed the design of the display page and the screen wall layout
- ✧ Designed , simulated, and assembled the sliding rail

Frontend Team, Chengdu SwarMart Technology Co. Ltd 02/2018-08/2018

- ✧ Established a crowdsourcing platform for data annotation
- ✧ Designed the final app and WeChat applet
- ✧ Completed the front-end rendering for the webpage of the company
- ✧ Won the gold medal in the Network Information Economy Special Competition (Creative) of the "Creating Youth" National Undergraduate Entrepreneurship Competition

Graduate Design- Audio Pattern Processing   10/2019-06/2020

- ✧ Studied the principles and limitations of audio signal processing and pattern recognition based on convolutional neural networks
- ✧ Developed an audio classification system based on convolutional neural networks in Python
- ✧ Performed experimental evaluations to demonstrate the effect of feature representation and structure of the neural network

Integrated Design of "The Horus"   06/2019

- ✧ Designed a revolutionary light aircraft combining hydrogen power and vertical take-off and landing (VTOL) to create an efficient and environmentally focused commuting vehicle

Integrated Mechatronic Project   01/2019-05/2019

- ✧ Designed, built and documented a wire-following autonomous vehicle, including wire-following sensor and navigation strategy, motor controller, power supplies, and Mechanical Implementation.

Extracurricular Activity& Awards

- **Served as the deputy director of the Design Center of the Student Union of UESTC**

Participated in the planning and behind-the-scenes work of the 7th Microfilm Competition

Organized the 8th Microfilm Competition

- **Member of the UESTC Backlight Photography Studio (the premier photography organization in the school)**

Responsible for college news photography for the official WeChat& Weibo of UESTC

Filmed the 2018 Backlight Microfilm as the chief director, and won the Best Scriptwriter Award

- **Won the gold medal in the Network Information Economy Special Competition (Creative) of the "Creating Youth" National Undergraduate Entrepreneurship Competition**
- **Won University of Birmingham International Achievement Award.**

Skills

Front-end Development: HTML/ CSS/ JavaScript/ jQuery/ markdown

Back-end Development: PHP, SQL, Fat-free framework

Prototype: Figma

Data Processing: Python (Pandas/ seaborn/ Tensorflow /Keras)/ MATLAB

Graphic/Video Design: Adobe Photoshop/ Premiere/ Aftereffect/ MAYA

Others: PIC C Compiler/ MPLAB/ Vivado/ Verilog/ Multisim/ MATLAB Simulink/ MATLAB Simscape/ SysML/ Microsoft Power Platform/ Nvivo