

ZiXuan Ding

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EDUCATION

- **BSc Computer Science, University College London** **2019-**
 - Year 1: C, Haskell, Python, Java, Compilers, discrete math and Algorithms
 - Year 2 (In progress): Database and Logic, System & Software Engineering, Concurrency and Architecture, Security, Statistics and Mathematics
- **Ruthin School** **2017-2019**
 - A Levels: Mathematics(A*), Further Mathematics(A*), Physics(A*), Chemistry(A*)
 - British Physics Olympiad 2017 Round 1, Cambridge Chemistry Challenge: Gold

UNIVERSITY PROJECTS

- **Collaborative Systems Design Hackathon** **Year 2**
 - Designed solutions to remedy food poverty with a team of 5 people.
- **UCL, GOSH and Avanade - Situated Cognition 360 Editor 2021** **Year 2(In progress)**
 - Building an editor with layers and interactive timeline hotspots that apply situated cognition 360 videos to a handful of human factors training sessions during a series of emergency scenarios.
 - Working with real clients under the UCL Industry Exchange Network.
- **JSH: Reengineering a legacy shell** **Year 2(In progress)**
 - Extend the capabilities of JSH, while preserving the original features and fixing existing bugs with 2 teammates.
- **Build Your Own Computer** **Year 1**
 - Drew block diagrams using Quartus prime for FPGA, and run hexadecimal instructions from MIPS.
- **Tetris Auto player** **Year 1**
 - Wrote an auto player in python for the Tetris game given by the lecturer.
- **Bioreactor** **Year 1**
 - Built a bioreactor and UI with teammates from EEE and using MSP and electronics.

WORK EXPERIENCE

- **Programming tutor role at UCL Computer Science Department** **2020-2021**
 - Helping first year students with programming issues in Year 1 courses.
- **Internship: Organising data at a medical research group at TsingHua University** **2020 Summer**
 - Organised data files and adding explanatory notes to the files.
 - Using python to analysis data frames.

LEADERSHIP AND VOLUNTEERING

- **Prefect at high school** **2018-2019**
- **50-hour volunteering certificate from millennium volunteering of the Welsh Government** **2017-2018**
 - Helped primary school students and form 2 students with math studies.