ZHU, WENXUAN (JACK)

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Education	

- **College of Engineering, University of Michigan** | 2019.9 - present |
  - Ann Arbor, MI
  - Majoring in Computer Science and Engineering (CSE)　　**GPA: 3.80**
- **Univ. of Michigan - Shanghai Jiao Tong Univ. Joint Institute** | 2017.9 - 2019.8 |
  - Shanghai, China
  - Majoring in Electrical and Computer Engineering (ECE)　　**GPA: 3.51**

Experiences & Activities

- **DPM Laboratory, UMich, Research Assistant** | 2020.5 - present |
  - Building a digital twin model for construction site robots in Unity Engine
    - Applying reinforcement learning and optimizing to varying environment
    - Implementing and remotely testing a VR interface for UX experiments
  - Deploying an ergonomic assessment system to client company
    - Managing a large unfamiliar project, including an iOS app and its backend
- **FriendsMind, Software Engineer** | 2019.10 - present |
  - Developing a fangame with a passionate team formed online
    - Designing mechanics and scripting for its interface and with JavaScript
    - Instructing and supporting designers without technical backgrounds
- **UMich Programming Team, Student Member** | 2019.9 - present |
  - Active in competitive programming contest as qualified representative of UMich

Honors & Awards

- **"Meritorious Winner" in Mathematical Contest of Modeling 2020** | 2020.5 |
  - Inspire the team with creative data manipulation and visualization
- **4th place in Wolverine Game Showcase, Winter 2020** | 2020.4 |
  - Leading a team of 5 on an 7-week game-dev project, initiating design iterations
  - Maintaining codebase and integrating team members' progress
- **Reached Semifinal in the 5th China College Students' "Internet+" Innovation and Entrepreneurship Competition, Shanghai** | 2019.5 |
  - Developing demo and supporting teammates majoring in sociology technically
- **"Best Innovation Award" in UMJI 2018 Summer Design Expo** | 2018.8 |
  - Managing progress and conducting presentation and documentation

Computer Skills

- **Programming:** C, C++, C#, CUDA, Java, JS, Matlab, Python, SQL, GLSL
- **Multimedia:** Adobe Ae/Ai/Au/Pr/Ps, Studio One, Blender, Unity
- **Presentation:** MS PowerPoint, Prezi
- **Miscellaneous:** Bash, Git, LaTeX, MS Word, VSCode

Interests & Special Skills

- Passion in optimizing workflows and designing user experience creatively.
- Patience and attention to details in collaborative programming tasks.
- Harmonica, guitar, illustration. Video creator on social media with 16k+ total views.