SHUJIE ZHANG

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EDUCATION

Tsinghua University, Beijing, China
Sept, 2021 - current

Clinical Medicine, Department of Life Sciences   Sept, 2021-Sept, 2023   GPA: 3.89, RANK: 6/74

Department of Automation   Sept,2023-current   GPA: 3.87, RANK: 22/151

Annotation: I took a major transfer this year due to changes in interest.

RESEARCH

Long Term Goal

Uncover the underlying truths about the formation of human consciousness.

Replicate human intelligence in alternative carriers as efficient as the brain.

Research Interest

Computational Neuroscience: Single-neuron Modeling, Neuron Interaction Modelling, Neuron Pattern Recognition

Cognitive and Reasoning: Theory of Mind, Developmental Psychology, Cognitive Neuroscience

Machine Learning: Generative Model, Statistical Learning, Reinforcement Learning

Robotics: Robotics Manipulation, Enbodied Artificial Intelligence

Research Experience

International Genetically Engineered Machine Competition, iGEM

Team Leader of Tsinghua-TFL   Team wiki

Nov., 2022 - Nov., 2023   Golden Medal, Nomination for Best Plant Synthetic Biology and SDG

Zibo Chen Lab   Westlake University

July, 2023 - Aug, 2023   Advisor: Jinglin Wang, Bingze Wu

COURSE AND SKILLS

Tools: Linux, Git, Docker, shell

Programming Language: C,C++,pytorch,unity,HTML,CSS, Vue, JavaScript, MatLab

Solid Mathematical Foundation: Random process, Calculus, Linear Algebra, Statistics, Machine Learning

Electricity: Circuit analysis

Biology: Biochemistry and experiment, Molecular Biology and experiment, Organic Chemistry

English: The highest standard in the entry English test; CET-6: 640 scores; Planning to take TOFEL in May.

SOCIAL WORK AND ACTIVITIES

Brain Class in Department of Automation of Grade 2022	**Monitor**	*June, 2023 - current*
Orienteering Team of Tsinghua University	**Member, Propagandist**	*March, 2023 - current*
Tsinghua University Student Network Service	**Vice Team Leader**	*June, 2023 - current*
Middle-Distance Running Team of Automation	**Team Leader**	*June, 2023 - current*

AWARDS AND SCHOLARSHIPS

Community Service Excellence Award	Tsinghua University	*Oct. 2022*
Comprehensive Merit Scholarship	Tsinghua University	*Oct. 2022*
Comprehensive Merit Scholarship	Tsinghua University	*Oct. 2023*