
Ding (Eric) Ding
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EDUCATION

University of Michigan (Dual Degree Program)

Ann Arbor, MI, United States

B.S.E. Computer Science

April 2024

Shanghai Jiao Tong University (GPA. 3.78)

Shanghai, China

B.S.E. Electrical and Computer Engineering

April 2024

SKILLS

Programming C, C++, Python, Matlab, Mathematica, Elm, Verilog, web (HTML, CSS, JavaScript) and \LaTeX

Software Development IDE: VSCode, XCode, CLion, PyCharm TOOLS: git, Valgrind, GDB

Simulation and Modelling Catia, Matlab, Mathematica, Pspice, Proteus

Operating System Linux Ubuntu (running on self-built PC), macOS, Windows

Main Course Taken Programming and Data Structures, Data Structures and Algorithm, Introduction to Machine Learning, Computer Science Fundamentals, Computer Organization, Electromagnetics, Electronic Circuits, Signals and Systems, Logic Design, Introduction to Aerospace Engineering

Language Chinese (Native), English (Proficient, TOEFL 108)

RESEARCH AND WORK EXPERIENCE

SJTU Student Racing Team, Shanghai Jiao Tong University

Shanghai, China

SJTU Student Racing Team Member

March 2021 - August 2022

Built electrical and electronic components and subsystems for formula student racing cars. Optimized electrical wiring and ECU design from previous projects to build faster and more reliable racing cars.

Joint Institute, Shanghai Jiao Tong University

Shanghai, China

Class Monitor

September 2020 - August 2022

Responsible for class of 2020. Worked scrupulously with a strong sense of responsibility for fellow classmates. Handled student-related affairs, helped hold social events and constructed a harmonious class.

School of Electronic Information and Electrical Engineering,

Shanghai Jiao Tong University

Shanghai, China

Member of "Research on the Combinatorial Optimization Problems in Machine Learning" Student Research Project

September 2021 - March 2022

Designed, analyzed and applied various optimization algorithms, especially supervised and self-supervised learning algorithms. Gained experience on how to conduct academic researches.

GRANTS AND AWARDS

The Tang Junyuan Scholarship Nominee August 2022

First Prize of 2022 China May Day Mathematical Contest in Modeling May 2022

Shanghai Jiao Tong University Pu Yuan Future Talent Program Scholarship January 2022

Shanghai Jiao Tong University Undergraduate Excellent Scholarship December 2021

Second Prize of Shanghai 2021 CUMCM Mathematical Contest in Modeling December 2021

Shanghai Jiao Tong University Merit Student November 2021