Ding (Eric) Ding

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Objective: A motivated individual with in-depth knowledge of circuitry, system and software design, seeking a hardware engineer internship at a leading organization in technology, eager to learn and contribute.

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 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