

Juechu Dong

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EDUCATION

University of Michigan

Expected - May 2022

Ann Arbor, MI

Computer Engineering, Bachelor of Science

GPA: 4.00/4.00

Coursework: Data Structures and Algorithm EECS281 (A) Computer Organization EECS370 (A+)

Digital Integrated Circuits EECS312 (A) Computer Architecture EECS470 (in progress)

University of Michigan-Shanghai Jiao Tong University Joint Institute (UM-SJTU JI)

Expected - Aug. 2022

Shanghai, China

Electrical and Computer Engineering (ECE), Bachelor of Science

GPA: 3.82/4.00

Coursework: Intro. to Logic Circuits VE270(=EECS270) A+, Data Structure I VE280(=EECS280) A

RESEARCH EXPERIENCE

Fully-Autonomous SoC Synthesis, Explore CS Research Program

Jan. 2021-Present

University of Michigan, Ann Arbor MI

Monitored by: Dr. Ronald Dreslinski

- Build an intent solver that translates high-level user intent into hardware specifications and to satisfy user constraints, in particular, determines appropriate acceleration blocks for user python code
- Attend weekly meetings with Dr. Dreslinski to develop basic research skills in experiment setup and to learn how to narrow down research interests and identify a new research topic

TEACHING EXPERIENCE

Teaching Assistant in Honors Physics, Probabilistic Methods in Eng. & Academic Writing

SJTU-UM Joint Institute, Shanghai, China

Sept. 2019-Present

- Teach recitation classes on probability theory, static, physics and academic writing in English
- Design special topic recitation classes focusing on Physics & Math incorporation topics, e.g. moment of inertia – eigenvalue & diagonalization, statics in physics labs
- Help design course sections and grade writing, presentation, assignments and exams

SELECTED HONORS

John Wu & Jane Sun Outstanding Scholarship	UM-SJTU Joint Institute	Sept. 2018
Silver Award of University Physics Competition	UPC committee	Nov. 2019
Dean's List	University of Michigan	Dec. 2020

SKILLS

Language

- **Chinese** (Native, Mandarin)
- **English** (Fluent)
TOEFL 109/120: Listening: 30 | Speaking: 26 | Reading: 29 | Writing: 24
- **German** (Conversational)

Programming Knowledge

- **Proficient in:** C/C++ (System)Verilog