

# Shuo Deng

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## ACADEMIC HISTORY

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| <b>University of Michigan</b> , Michigan, United States      | Sep. 2023 – Apr. 2025 |
| Data science and analytics, Master of Science in Information |                       |
| <b>Shanghai Jiao Tong University</b> , Shanghai, China       | Sep. 2020 – Aug. 2024 |
| Electrical and Computer Engineering, Bachelor of Science     |                       |
| GPA: 3.694/4.0   |                       |

## EXPERIENCE

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| <b>Shanghai Jiao Tong University</b> , Shanghai, China   | <i>Teaching Assistant</i> , May. 2023 – Aug. 2023 |
| <ul style="list-style-type: none"><li>• Course: ECE3200J (Semiconductor Physics and Devices)</li><li>• Maintaining course homepage with Canvas and Piazza</li><li>• Designing and grading assignments and exams with LaTeX</li><li>• Analyzing statistics with python and Excel for outcome evaluation</li></ul> |   |
| <b>Shanghai Jiao Tong University</b> , Shanghai, China   | <i>Teaching Assistant</i> , Sep. 2022 – Dec. 2022 |
| <ul style="list-style-type: none"><li>• Course: PHYS2600J (Honor Physics)</li><li>• Maintaining course homepage with Canvas and Piazza</li><li>• Designing Midterm Exam with LaTeX</li></ul>   |   |
| <b>Shanghai Jiao Tong University</b> , Shanghai, China   | <i>Teaching Assistant</i> , May. 2022 – Aug. 2022 |
| <ul style="list-style-type: none"><li>• Course: VE216 (Intro to Signal and Systems)</li><li>• Holding labs with Proteus</li><li>• Analyzing and collecting statistics with python and Excel for outcome evaluation</li></ul>   |   |

## HONORS & AWARDS

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| 2022 Undergraduate Scholarship (B) | Dec. 2022 |
| 2022 MCM/ICM Honorable Mention     | May. 2022 |
| 2021 Undergraduate Scholarship (C) | Dec. 2021 |

## RESEARCHES

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| <b>Shanghai Jiao Tong University</b> , Shanghai, China   | Sep. 2022-Mar.2023 |
| <ul style="list-style-type: none"><li>• Scripting with C#, python and Direct3D11 to generate synthetic datasets for Pedestrian Re-identification (ReID) model training</li></ul> |                    |

## SKILLS

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**Data processing tools:** Pandas, MySQL, Lingo, scikit-learn, BeautifulSoup  
**Programming languages:** Python, C/C++, C#, MATLAB, Verilog, html, CSS, SQL, JavaScript  
**Developing platforms:** Visual Studio, Cadence Virtuoso, VIVADO  
**Developing tools:** Wolfram Mathematica, PSPICE, ANSYS, SOLIDWORKS, Proteus