

# Pingbang Hu

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## Education

- 2021–2023 **University of Michigan**, *College of Engineering*,  
Computer Science & Math (Honor Math Program)  
GPA – 3.95/4
- 2019–2023 **Shanghai Jiao Tong University**, *UM-SJTU Joint Institute*,  
Electrical and Computer Engineering  
GPA – 3.7/4

## Experience

- Oct 2021– **Research Assistance**, UMICH EECS APARTMENT  
Ongoing
  - Fairness Analysis on GNN(Graph Neural Networks).
  - Analysis on generalization ability on GNN.
- May 2021– **Software Engineer**, CHIEFNOOB, A startup company  
Ongoing
  - Aiming for highly customizable mobile app building.
  - Using the start-of-the-art tools like GoLang, MongoDB, etc.
- Mar. 2021 – **Teaching Assistance**, UM-SJTU JI, Vv285 Honor Mathematics II  
Aug. 2021
  - Hold 1<sup>st</sup> UM-SJTU JI Integration Bee competition.
  - Holding Recitation class/Grading Assignment, Exam/Offering Office Hour
- Sep. 2020 – **Teaching Assistance**, UM-SJTU JI, Vv186 Honor Mathematics I  
Dec. 2020
  - Holding Recitation class/Grading Assignment, Exam/Offering Office Hour

## Honors

- Oct. 2021 **Hong Kong, Macao and Taiwan Overseas Chinese Student Scholarship**, SJTU  
○ First Price(Ranked 2) among all HK, Mc and Tw students in SJTU.
- Nov. 2020 **Undergraduate Excellent Scholarship**, SJTU  
○ Third Price among all students in UM-SJTU JI.
- Jun. 2020 **Bao Gang Excellent Scholarship**, SJTU  
○ Ranked 3 among all Tw students in SJTU.
- Dec. 2019 **Hong Kong, Macao and Taiwan Overseas Chinese Student Scholarship**, UM-SJTU JI  
○ Ranked 1 among all HK, Mc and Tw students in UM-SJTU JI.

## Technical Experience

- Languages C, C++, Go(Golang), Python, Java, elm, Matlab,  
Utilities Git, Redmine, Anaconda, Jupyter Notebook, OpenGL, L<sup>A</sup>T<sub>E</sub>X, markdown, Docker, Google Cloud Platform, Figma, Mathematica, MongoDB, Postman, Gurobi, Inkscape, Vim, VSCode

## Focus Domain

- Math Real Analysis, Topology, Game Theory, (non) Convex Optimization Theory, Probability Theory  
Computer Science Graph Neural Network, Algorithm Analysis, Learning Theory, Theoretical CS