

# YU-HSUAN WU

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## RESEARCH INTEREST

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Formal verification, program derivation, automata theory, and functional programming.

## EDUCATION

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|---|-------------------|
| <b>National Taiwan University</b>       | Taipei, Taiwan    |
| <i>B.B.A. in Information Management</i> | 09/2020 - 06/2024 |

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| <b>Taipei Municipal Chien Kuo High School</b>                      | Taipei, Taiwan    |
| <i>High School Diploma; Award of Taipei City Excellent Student</i> | 09/2017 - 06/2020 |

## RESEARCH EXPERIENCE

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| <b>Institute of Information Science, Academia Sinica</b>       | Taipei, Taiwan    |
| Advisor: Dr. Yu-Fang Chen, Quantum Computer Science Laboratory |                   |
| Research Assistant   | 08/2024 - 12/2024 |

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| <b>National Taiwan University</b>  | Taipei, Taiwan    |
| Advisor: Dr. Yih-Kuen Tsay, Software Validation and Verification Research Laboratory |                   |
| Research Assistant   | 06/2024 - 12/2024 |
| Undergraduate Research Student   | 02/2024 - 06/2024 |

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| <b>National Taiwan University</b>                                   | Taipei, Taiwan    |
| Advisor: Dr. Yeong-Sung Lin, Network Optimization Research Group    |                   |
| Co-Advisor: Dr. Feng-Jung Yang, National Taiwan University Hospital |                   |
| Research Assistant  | 07/2023 - 12/2023 |
| Undergraduate Research Student                                      | 01/2023 - 12/2023 |

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| <b>Institute of Information Science, Academia Sinica</b>                       | Taipei, Taiwan    |
| Advisor: Dr. Shin-Cheng Mu, Programming Language and Formal Methods Laboratory |                   |
| Summer Research Intern   | 07/2023 - 08/2023 |
| Research Student   | 07/2022 - 06/2023 |

## TEACHING EXPERIENCE

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| <b>IM2009 Algorithms, National Taiwan University</b> | Taipei, Taiwan    |
| Teaching Assistant                                   | 09/2024 - 12/2024 |

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| <b>EMBA7003 Business Decision Making, National Taiwan University</b> | Taipei, Taiwan    |
| Teaching Assistant   | 06/2024 - 09/2024 |

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| <b>IM1003 Programming Design, National Taiwan University</b> | Taipei, Taiwan    |
| Lead Teaching Assistant                                      | 09/2023 - 01/2024 |
| Teaching Assistant   | 09/2022 - 01/2023 |

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| <b>IM2010 Operations Research, National Taiwan University</b> | Taipei, Taiwan    |
| Teaching Assistant  | 02/2023 - 06/2023 |

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| <b>Calculus Remedial Teaching, National Taiwan University</b> | Taipei, Taiwan    |
| Lead Instructor   | 09/2022 - 06/2023 |
| Instructor  | 09/2021 - 06/2022 |

## CONFERENCE EXPERIENCE

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### 21st Asian Symposium on Programming Languages and Systems

Student Participant

Taipei, Taiwan

11/2023

## MILITARY SERVICE

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### Republic of China Army

Infantry

Taoyuan, Taiwan

12/2024 - 04/2025

## VOLUNTEERING EXPERIENCE

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### International Student Volunteer Program, National Taiwan University

Student Volunteer

Taipei, Taiwan

09/2022 - 01/2023

## EXTRACURRICULAR ACTIVITIES

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### National Taiwan University Student Association

Minister, Information Department

Vice Minister, Information Department

Taipei, Taiwan

08/2023 - 07/2024

08/2022 - 07/2023

### NTUIM Baseball & Softball Team

Captain

Taipei, Taiwan

08/2022 - 07/2023

### 2022 NTU Azalea Festival

President, Department of Information Management

Taipei, Taiwan

12/2021 - 03/2022

### Information Management Student Association

Minister, Activities Department

Taipei, Taiwan

08/2021 - 07/2022

### 2021 NTUIM Freshmen Welcome Party

Chairman

Taipei, Taiwan

02/2021 - 10/2021

## SKILLS

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### Languages

Taiwanese Mandarin, English, Japanese

### Programming Languages

C, C++, Python, Haskell, Coq, Java, JavaScript, TypeScript, SQL,  $\LaTeX$

### Technologies/Frameworks

Frama-C, Git, Docker, React, Vue, Node.js

### Soft Skills

Organization, Creativity, Communication, Teamwork, Leadership