

WEN-HORNG SHEU

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EDUCATION

PhD in Computer Science at the University of California, Davis; GPA: 4.0/4.0 *2023-Present*

- Anticipated graduation date: 06/28
- Research area: Distributed Algorithms, Streaming Algorithms

Master of Computer Science at National Tsing Hua University; GPA: 3.9/4.0 *2019-2021*

- Specialized courses: Approximation Algorithms, Computational Geometry

Bachelor of Computer Science at National Tsing Hua University; GPA: 3.85/4.0 *2015-2019*

- Specialized courses: Advanced Data Structure, Randomized Algorithms, Parallel Algorithm Design

SELECTED RESEARCH PROJECTS

Faster Semi-streaming Matchings via Alternating Trees

- Studied the approximate maximum matching problem in distributed and streaming settings
- Improved the result of a STOC 2022 paper
- Presented the result as a contributed talk at Workshop on Local Algorithms, 2024

Faster MPC Algorithms for Approximate Allocation in Uniformly Sparse Graphs

- Studied an algorithmic problem that has applications in online advertising
- Developed a faster distributed algorithm, improving on an ICML 2018 paper

New Algorithms for the Minimum Split-Row Problem

- Proposed an improved algorithm for a problem that has applications in cancer genomics
- The work is published on SIAM Journal on Discrete Mathematics (SIDMA), 2023

HONORS AND AWARDS

- **Contributed Talk** at *Workshop on Local Algorithms, 2024*
hosted by *Simons Institute for the Theory of Computing, UC Berkeley*
- **Gold Award** in *the 2019 ICPC Asia Pacific Taipei-Hsinchu Regional Contest*
- **Google Code Jam 2021 Round 3 Qualifier**
 - Placed 255-th in Round 3, within top 1% of all 37,000+ participants of the qualification rounds
- **Grandmaster** on *Codeforces*
 - Ranked as Grandmaster (rating 2551, top 1% globally) on the competitive programming platform Codeforces
 - Placed top 100 (top 1% globally) in four online programming contests on Codeforces
- **Meta Hacker Cup 2020 Round 2 Qualifier**
- **Second Place Award** in *the ACM TAU 2018 Contest on Path Reporting*

SKILLS

Coding Languages C, C++, Python

Tools Git, L^AT_EX, Microsoft Office

Languages English (fluent, TOEFL 105/120), Chinese (native)