

Wenxin (Freda) Ding

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(412)-961-2629

EDUCATION

Carnegie Mellon University, Pittsburgh, PA

May 2020

Bachelor of Science in Computer Science and Mathematical Sciences, GPA: 3.9

Minor in Computational Finance

WORK EXPERIENCE

Research Assistant

Computer Science Department, Carnegie Mellon University

June 2019----Present

- Analyze differential privacy strategy on peer review data
- Simulate published methods to enhance accuracy of data
- Develop time-efficient algorithms and mathematical convex hull models
- Construct senior thesis on the research project

Research Assistant

Computer Science Department, Carnegie Mellon University

December 2018----May 2019

- Investigated correlation among load-balancing queueing models
- Applied probability theory on association of random variables

Associate Head Teaching Assistant

Computer Science Department, Carnegie Mellon University

July 2017----August 2019

- Managed staff meetings and recitations for a team of 20 teaching assistants
- Constructed materials for lab and review sessions
- Advised students on term projects

LEADERSHIP

VP External

Carnegie Mellon University Chinese Students & Scholars Association

May 2017----May 2019

- Organized annual recruiting events for companies coming to Carnegie Mellon
- Directed discussion panels to provide students with insights on different career paths

Mentor

Strong Women Strong Girls, Pittsburgh, PA

Feb 2017----May 2019

- Tutor teenage girls from lower-income neighborhood
- Arouse girls' interest in science and technology and encourage them to pursue long-term education

SKILLS AND RELEVANT COURSES

- Programming Skills: Python, C, Standard ML, Java, Mathematica, Matlab
- Relevant Courses: Machine Learning, Distributed Systems, Algorithm Design and Analysis, Computer Performance Modeling, Number Theory

AWARD

- 2017 William Lowell Putnam Mathematical Competition (Rank: 255 / 4638)