

# Quang Dao

Pittsburgh, PA

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📄 <https://quangvdao.github.io/>

Last updated: April 2023

## Education

- 2022–Present **Carnegie Mellon University, Pittsburgh, PA.**  
PhD in Computer Science. Advisors: Aayush Jain and Riad Wahby
- 2020–2022 **University of Michigan, Ann Arbor, MI.**  
MA in Mathematics. Advisor: Paul Grubbs
- 2016–2020 **Columbia University, New York, NY.**  
BA in Mathematics and Computer Science

## Publications

3. **Quang Dao**, Jim Miller, Opal Wright, Paul Grubbs. Weak Fiat-Shamir Attacks on Modern Proof Systems. *IEEE S&P* 2023.
2. **Quang Dao**, Paul Grubbs. Spartan and Bulletproofs are simulation-extractable (for free!). *EUROCRYPT* 2023.
1. **Quang Dao**, Julian Wellman, Calvin Yost-Wolff, Sylvester W. Zhang. Rowmotion Orbits of Trapezoid Posets. *The Electronic Journal of Combinatorics*, P2-29, 2022.

## Talks

- April 2023 CMU Crypto Seminar

## Service

- External Reviewer FOCS 2023, CRYPTO 2022, EUROCRYPT 2022

## Teaching

- 2020–2021 **Math 115**, University of Michigan, Ann Arbor, MI.

## Honors & Awards

- 2020 **Russell C. Mills Award**  
Awarded to 2 seniors for excellence in computer science at Columbia
- 2017-2019 **Van Amringe Math Prize**  
Awarded annually to the top 3 non-senior students in math at Columbia
- 2016 **International Math Olympiad**. Silver Medal

## Miscellaneous

- Languages English (fluent), Vietnamese (native), French (elementary)