

Kevin Yipu Wu

UNDERGRADUATE STUDENT · CS & MATH

William & Mary, Williamsburg, VA

✉ kwu06@wm.edu | 🏠 ypwk.github.io | 🌐 https://github.com/ypwk

Education

William & Mary

B.S. COMPUTER SCIENCE AND MATHEMATICS DOUBLE MAJOR

- CS GPA: 3.88/4, GPA: 3.78/4

Williamsburg, VA

2020 - 2024

Thomas Jefferson High School for Science and Technology

HIGH SCHOOL

- GPA: 4.22/4

Alexandria, VA

2016 - 2020

Professional Experience

2022 - 2023 **Solutions Architect Intern**, Amazon Web Services

2021 - 2022 **Junior Software Developer**, ESPX Global Inc.

2019 - 2023 **Student Intern Team Lead**, Asian Americans in Energy, Environment, and Commerce

Publications

IN PREP

Chi-Kwong Li, Kevin Y. Wu, and Zherui Zhang. Efficient Circuit-Based Quantum State Tomography via Sparse Entry Optimization. In preparation.

Awards, Fellowships, & Grants

2023 **Phi Beta Kappa**, W&M Phi Beta Kappa Chapter

Elias Paparis Scholarship, W&M Computer Science Department

\$ 2500

Robert C. and Muriel M. Jennings Scholarship, W&M Phi Beta Kappa Chapter

\$ 3500

Presentations

CONTRIBUTED PRESENTATIONS

Chi-Kwong Li, Kevin Y. Wu, and Zherui Zhang. 2024. Efficient Circuit-Based Quantum State Tomography via Sparse Entry Optimization. Poster: JMM, San Francisco, CA.

Research Experience

William & Mary

ADVISOR: DR. QUN LI

- Honors Thesis: Surface Code Decoding

Williamsburg, VA

2023 - Present

William & Mary

ADVISOR: DR. QUN LI

- Applying Differential Learning to Quantum Federated Learning

Williamsburg, VA

2023

Naval Surface Warfare Center Dahlgren Division

ADVISOR: QUN LI

- First AI/ML Challenge at Dahlgren

Dahlgren, VA

2022 - 2023

William & Mary

ADVISOR: DR. CHI-KWONG LI

- Quantum Operator Approximation via Nonconvex PSD Programming

Williamsburg, VA

2022

Outreach & Professional Development

SERVICE AND OUTREACH

2022 - 2024 **W&M CS Department**, Undergraduate CS Consultant