

# Kevin Yipu Wu

UNDERGRADUATE STUDENT · CS & MATH

William & Mary, Williamsburg, VA

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## 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**

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### **SERVICE AND OUTREACH**

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