

# Kevin Yipu Wu

DOCTORAL STUDENT · ELECTRICAL AND COMPUTER ENGINEERING

University of Washington, Seattle, WA

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## Education

### University of Washington

PH.D.

Seattle, WA

2024 - Present

### William & Mary

B.S. COMPUTER SCIENCE AND MATHEMATICS DOUBLE MAJOR

• CS GPA: 3.88/4, GPA: 3.78/4

Williamsburg, VA

2020 - 2024

## 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 REVIEW

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

## Awards, Fellowships, & Grants

2024 **AQET Scholar**, University of Washington AQET Program

**Stephen K. Park Undergraduate Scholarship Award**, W&M Computer Science Department

\$ 1500

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

**Elias Pappas 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. Talk: MAO, Reno, Nevada.

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

### Honors Thesis: Improving the Scalability of Neural Network Surface Code Decoders

ADVISOR: DR. QUN LI

William & Mary

2023 - 2024

### Applying Differential Learning to Quantum Federated Learning

ADVISOR: DR. QUN LI

William & Mary

2023

**First AI/ML Challenge at Dahlgren**

ADVISOR: QUN LI

NSWCDD

2022 - 2023

**Quantum Operator Approximation via Nonconvex PSD Programming**

ADVISOR: DR. CHI-KWONG LI

William & Mary

2022

**Outreach & Professional Development**\_\_\_\_\_

**SERVICE AND OUTREACH**

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