

# CHRISTOPHER KANG

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## EDUCATION

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### University of Washington, Seattle

Double major in Computer Science and Economics, minor in Mathematics

On a merit-based full tuition scholarship

Spring 2022

GPA: 3.95 / 4.0

#### Completed Coursework

Graduate Quantum Computing (CSE599), Graduate Randomized Algorithms (CSE525),  
Honors Advanced Multivariable Calculus (MATH33X), Advanced Macroeconomics (ECON401)

## WORK EXPERIENCE

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### Paul G. Allen School of Computer Science & Engineering

Special Assistant for Undergraduate Research

Seattle, WA

Fall 2021-present

- Worked with Vice Director of UW CSE to design the role to improve undergraduate research
- Advising UW CSE leadership on a plan to improve research experience; assembled 10-person Stakeholder Council to gather input on necessary changes; supported curriculum design for 25-person class on research

### Deloitte Consulting, LLP

Government & Public Services Summer Scholar

Arlington, VA

Summer 2021

- Served a large public-sector healthcare client with developing a digital transformation strategy.
- Supported a team of four consultants/managers through 15+ interviews with client executives. This included taking notes, preparing follow-ups, and organizing info for use in the final deliverable.
- Led the creation of seven benchmark slides for the client's final deliverable. Worked closely with the senior manager to research comparable organizations and identify relevant best practices.

### Pacific Northwest National Laboratory

High Performance Computing Intern

Richland, WA

Summer 2019, 2020

- Implemented a full-state quantum simulation algorithm in Python and C++.
- 100x+ improvement in memory consumption with custom implementation of chemistry simulations. The limiting factor in simulations is memory; reductions enable studies of more complex molecules
- Parallelized C++ code with OpenMP, yielding a 5x+ speedup in time cost of simulation.
- Studied existing research papers and communicated results with mentor to identify next steps.

### Computer Science & Engineering K12 Outreach

Outreach Ambassador

Seattle, WA

Spring 2019-present

- Taught quarterly intro computer science classes to 100s of diverse K12 students, led visits to schools with underserved students, and hosted tours of the UW CSE building.
- Collaborated with other Ambassadors to improve experience of first-time computer science students, transforming existing curriculum to be more inclusive of students from many backgrounds.

## LEADERSHIP

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### CSE Student Advisory Council

Co-Chair

Seattle, WA

June 2019-Spring 2021

- Served 800+ students through events focusing on student wellness, diversity, and social responsibility; managed a tight-knit 15-person team; actively listened to student issues to guide efforts.
- Interviewed students and faculty and presented policy recommendations to faculty leadership
- Increased 2x events and initiatives with an organizational redesign, improving member engagement.

## ADDITIONAL INFORMATION

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**Awards:** Golde Endowed Scholarship (CSE; '21), Corkery Scholarship (Econ; '21), Microsoft Scholarship (CSE; '19), Top Honors Calculus Student (Math; '19), Theta Chi Helping Hand Scholar ('18)

**Other Service:** Allen School Diversity Committee ('19-present), LGBTQ student group Q++ ('18-present)

**Interests:** Mechanical keyboards, macroeconomics and monetary policy, LGBTQ advocacy, teaching