

CHRISTOPHER KANG
ck32@uw.edu • in/christopher-kang/

EDUCATION

University of Washington, Rising Junior

Triple major in Computer Science, Economics, and Mathematics with Honors

On a merit-based full tuition scholarship

Graduating Spring 2022

GPA: 3.96 / 4.0

SAT: 1570, ACT: 36

Relevant Coursework

- Graduate Quantum Computing
- Honors Advanced Multivariable Calculus
- Intermediate Macroeconomics

WORK EXPERIENCE

Pacific Northwest National Laboratory

High Performance Computing Intern

Richland, WA

Summer 2019

- 80% reduction in compute time for chemistry simulations by designing and implementing a software pipeline that leveraged emerging quantum algorithms from recent literature
- Prepared future research by engaging with mentor to prepare a review of relevant literature on quantum algorithms and their tradeoffs given hardware constraints

Data Sciences Intern

Summer 2018

- Enabled rapid cybersecurity threat classification by implementing machine learning algorithms in TensorFlow; translated research without code into a prototype for further experimentation
- Clarified project goals and prepared for future work by meeting with stakeholders across backgrounds, understanding key equations in the graph-based neural network, and identifying bugs in the codebase

Computer Science & Engineering K12 Outreach

Outreach Ambassador

Seattle, WA

Spring 2019-present

- Empowered 100s of diverse K12 students to pursue computer science by hosting introductory computer science workshops, outreach activities, and tours of the UW CSE building with a tight-knit outreach team
- Improved experience of first-time computer science students by transforming existing curriculum in a cloud-based online platform; expanded material to be more inclusive

LEADERSHIP

CSE Student Advisory Council

Chair

Seattle, WA

June 2019-present

- Served 800+ students by hosting events focusing on student wellness, diversity, and social responsibility; managed a scrappy 15-person team; actively listened to student issues to guide efforts
- 2x increased the number of events and initiatives by reorganizing the Council into functional subcommittees, gathering team feedback on leadership style, and implementing quarterly goal setting

At-Large Representative

September 2018-June 2019

- Prepared 50+ undergrads to negotiate salaries by planning and executing the *Career Negotiations* event, where we discussed best practices and invited a speaker from industry to present
- Expanded the Council's influence by authoring 5+ internal reports that advanced diverse student perspectives within faculty/staff discussions; researched and dialogued with students

ADDITIONAL INFORMATION

Awards: Top Honors Calculus Student ('19), Microsoft Scholarship ('19), Theta Chi Helping Hand Scholar ('18)

Programming: C#, Java, Python, Quantum computing

Interests: Mechanical keyboards, dark chocolate, teaching, LGBTQ+ advocacy