CHRISTOPHER KANG
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SUMMARY OF QUALIFICATIONS
- Strong interpersonal skills, especially in teams with different professional and educational backgrounds
- Quantitative problem-solving mindset with agility in adapting to new fields and environments
- Passionate student leader focused on creating impact in his community

EDUCATION
University of Washington, Paul G. Allen School for Computer Science & Engineering   **Seattle, WA**
Bachelor of Science in Computer Science   September 2018 – June 2022
Participating in the Interdisciplinary Honors Program   GPA: 3.97 / 4.0

Relevant Coursework

Quantum Computing (CSE 490Q)	Data Structures (CSE 332; Present)
Honors Multivariable Calculus, year 1 (Math 13X)	Honors Multivariable Calculus, year 2 (Math 33X; Present)

WORK EXPERIENCE
Pacific Northwest National Laboratory   **Richland, WA**
High Performance Computing Intern   Summer 2019

- Classical approaches for molecular simulation are exponentially infeasible as molecule size increases
- Quantum algorithms provide feasible simulation methods, but require qubits with long lifespans
- Reduced circuit depth by up to 80% by developing a data format and scripts to unify coworkers' optimizations
- Produced a cohesive pipeline to calculate accurate energy level values while utilizing optimizations
- Collaborated with a diverse range of scientists and interns, with varying educational / cultural backgrounds

Paul G. Allen School of Computer Science and Engineering   **Seattle, WA**
Student Assistant   September 2018-present

- The Allen School has over 100+ industry affiliates who host talks and presentations to students
- Worked on a team of three undergraduates and directly assisted External Relations Director
- Created a shared tracking spreadsheet after independently recognizing the need for a group information store
- Supported over 18+ affiliates with presentations, with over 700+ attendees in total

Pacific Northwest National Laboratory   **Richland, WA**
Data Sciences Intern   Summer 2018

- 16,000+ new vulnerabilities were identified in 2018, each requiring a human-generated score for severity
- Quickly learned TensorFlow and independently implemented state-of-the-art ML algorithms in 10 weeks
- Collaborated with supervisor to ensure code met criteria; Identified / documented code issues for future repair
- Created codebase allowing inference of vulnerabilities via graph-based semi-supervised labeling algorithms

LEADERSHIP
CSE Student Advisory Council, *Chair*   June 2019-present
- Chief representative for the undergraduate student body to admin, faculty, and grad students
- Leading a 10+ person team to address core goals in student wellness, diversity, and social responsibility
- Advocating for 1300+ undergraduates during tremendous department growth

CSE Student Advisory Council, *At-Large Representative*   September 2018-June 2019
- Freshman representative on the council (one of two)
- Chaired the *Career Negotiations* event, describing how to negotiate salaries, ~50 attendees
- Authored internal reports to advance student perspectives within admin discussions

ADDITIONAL INFORMATION
Skills: C#, Java, Python (TensorFlow, Numpy), Quantum computing / Q#