

# Katie Christensen

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## EDUCATION

### Western Washington University

Bellingham, WA

Bachelor of Science in Computer Science, 3.46

Jun 2023

Minor in Biology

## EXPERIENCE

### HutchResearch

Bellingham, WA

#### Undergraduate Research Assistant

Sep 2022 - Present

Currently working on a machine learning (deep learning) project for earth system modeling, specifically predicting climate patterns using diffusion models in collaboration with Pacific Northwest National Laboratory. Participation in weekly journal clubs and status meetings.

### Institute for Systems Biology

Seattle, WA

#### Undergraduate Intern Trainee

Jun 2022 - Sep 2022

Development of a graph-based application programming interface designed to expose knowledge graphs and promote innovative analyses of biomedical questions. Attended weekly journal clubs and status meetings and presented my work in a poster session. Source code and full documentation can be found at [https://github.com/katiechristensen/KG\\_API](https://github.com/katiechristensen/KG_API).

## LEADERSHIP & ACTIVITIES

### Computer Science Mentoring Program

Bellingham, WA

#### Administrative Team + Active Mentor

Sep 2021 - Present

The CS Mentoring Program at Western Washington University cultivates supportive and inclusive mentoring relationships with declared CS students and undeclared students interested in pursuing any major in the CS Department. We help to provide mentor/mentee pairs with training and support to facilitate professional development and foster a positive growth experience for all.

### Association for Gender Inclusion in Computing (AGIC)

Bellingham, WA

#### Outreach Coordinator + Active Member

Sep 2019 - Present

Computer Science Department club at Western Washington University. The AGIC builds an empowering environment for all people in a gender minority in computer science by providing opportunities for community, networking, professional development, and leadership. The AGIC is a Girls Who Code College Loop.

### Howard Hughes Medical Institute AEES Program

Bellingham, WA

#### Select Science Student ( $S^3$ )

Awarded 2019

The Advancing Excellence and Equity in Science (AEES) program delivers a comprehensive introduction to major issues in science with an emphasis on quantitative analysis of data. The program is supported by a Howard Hughes Medical Institute Inclusive Excellence (HHMI IE) grant that is aimed at increasing the numbers of under-represented minorities, first-generation students, and women in majors in the natural sciences.

## PRESENTATIONS

**Christensen K.**, Qin G. API Development Using a Graph Database to Expose Knowledge Graphs. Poster presented at: Institute for Systems Biology; July 2022; Seattle, WA.

## SKILLS

C   C#   C++   Cypher Query Language   DBMS   FastAPI   HTML5   Java    $\text{\LaTeX}$    MySQL   Neo4j  
Python   Pytorch   R   scikit-learn   SQL   Communication   Organization   Teamwork   Time Management