

Evelyn S. Warton

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Objective

Graduate student in computer science with a deep-rooted passion for mathematics, programming, and problem-solving. I am eager to contribute to industry research, software development, or data analysis by applying my expertise in computational linear algebra, network theory, and graph neural networks. My primary aim is to bridge the gap between theoretical knowledge and practical applications, gaining hands-on experience to solve real-world challenges and develop skills that complement my academic foundation.

Education

Ph.D, in progress, *Theoretical Computer Science*
Oregon State University, Corvallis, Oregon September 2022 – Present

BS, *Mathematics*
Oregon State University, Corvallis, Oregon September 2018 – June 2022

Skills

- Comprehending, synthesizing, and producing high-level ideas in the field of computer science from a wide range of topics, with deep mathematical underpinnings. Specialized in *geometry processing*, *persistent homology*, *network theory*, and *computational linear algebra*. Problem solving with abstract concepts and cutting-edge technological ideas.
- Typesetting and technical writing to reinforce and enhance program architecture using tools such as *LaTeX*, *Markdown*, and *Read the Docs*.
- Designing and building programs of various complexity, independently or collaboratively, using *Python*, *C++*, and *Lua* primarily.
- Building and testing machine learning models with *Pytorch* on large datasets, with a focus on graph neural nets and network data (i.e. social networks, knowledge graphs, transportation networks, biological networks, etc.).

Experience

Data Architecture – *Blackberry Cylance*, Portland, Oregon June 2019 – August 2019

In this role I managed the automation of a blacklist/whitelist synchronization feature for a business with campuses in multiple locations in the US. Primarily worked on *C#* scripts to query, process, and update these lists on a regular basis through AWS. Saved the team time from having to do this every week, and for when future clients may require, a similar feature.