Katharina Reimer

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SKILLS
Languages: Java, Python, HTML/CSS, JavaScript, C/C++, R
Frameworks: Bootstrap, React, scikit-learn
Systems: Git, Linux, VS Code

EDUCATION
B.S. Applied and Computational Mathematical Sciences   Expected Graduation: **June 2026**
University of Washington – Seattle, WA
GPA: 3.64

RELEVANT COURSEWORK
Data Structures & Algorithms (CSE 373)
Hash tables, priority queues, graphs, balanced trees, asymptotic analysis, sorting algorithms, and graph algorithms.

Intermediate Programming Concepts And Tools (CSE 374)
Lower-level programming (C/C++) and explicit memory management; use of Linux systems for compilation; software development techniques and tools; design, implementation, and testing strategies.

Statistical Methods in Engineering and Science (STAT 390)
Exploratory data analysis and interactive computing using statistical methods in R.

SELECTED PROGRAMMING EXPERIENCE
Seam Carving | *Lead Developer*   **May 2023**
- Java program utilizing Dijkstra's graph algorithm to find the path of pixels with the least energy within an image, handling up to 60000+ pixels and running with exceptional runtime.
- Collaborated with fellow students using Git and IntelliJ.
- 3-week long development stage, utilizing data structure and algorithms essential to object-oriented programming.

Machine Learning Student | *BYJU's FutureSchool*   **August 2020 – November 2022**
- Excelled in weekly online 1-on-1 Python training program, learning machine learning techniques.
- Mastered data cleaning/visualization and statistical representation techniques through over 100 hands-on data analysis projects with large data sets from various international sources.
- Gained coding experience and deepened knowledge of machine learning models, such as Linear/Logistic Regression, Random Forest Classifier, and Fast Fourier Transformations.

WORK EXPERIENCE
Barista | *Starbucks*   **February 2022 – September 2022; June 2023 – September 2023**
- Demonstrated efficient time management by comparmentalizing tasks to create a more efficient work environment.
- Executed all positions of the job at a high-volume store serving over 2000 customers daily, learning to maintain professionalism amid high-stress environments.
- Took the initiative in regular routine tasks, collaborating with fellow employees to optimize store performance.

Camp Counselor | *Diablo Day Camp*   **June 2016 – June 2023**
- Directed and mentored over 40 camp counselors by leading daily meetings to plan and execute camp activities.
- Led groups of nominated Trainers to create presentations on camp skills in the off-season, leading training sessions for 240 counselors and guiding younger trainers on effective collaboration.
- Quickly grew into a leadership role in 2 years since starting by taking initiative.

Math Tutor | *Self-Employed*   **May 2021 – September 2022**
- Leveraged networking skills to tap into local online community forums and connect with math students in need, successfully acquiring 3 long-term clients per year.
- Tailored personalized tutoring sessions for students ranging from 7th-grade math to Algebra 2, fostering academic growth and achieving measurable improvement.
- Collaborated with students individually in weekly hour-long sessions to deliver high-level explanations in complex areas.