Rishi Jha

rishijha.com

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EDUCATION

UNIVERSITY of WASHINGTON
BS.BA., Computer Science and Mathematics - Philosophy
March 2022 | Seattle, WA
2018, 2019 Annual Dean's List
GPA: 3.79 / 4.0

THE OVERLAKE SCHOOL
Grad. June 2018 | Redmond, WA

LINKS

Website:// **rishijha.com**
Email:// **rjha01@cs.uw.edu**
Github:// **rjha18**
LinkedIn:// **rishi-jha**

COURSEWORK

PLANNED
Computer Security
Combinatorics I & II
Probability and Statistics II & III
Distributed Systems

COMPLETED
Machine Learning
Deep Learning
Algorithms
Systems Programming
Real Analysis I & II
Probability and Statistics I
Data Management

SKILLS

TAGS
Business Strategy • Leadership
Creative Ideation • Machine Learning
Web Design

PROGRAMMING
Python • C++ • Java / C# • PyTorch
TensorFlow • Azure DevOps • React
Redux • Express • LaTeX

SUMMARY

Passionate computer science / mathematics student, TA, and researcher. Always looking for opportunities to give back and grow. Experience in machine learning, web design, and organized small business chaos. Motivated by hard problems.

RESEARCH

CENTER FOR NEUROTECHNOLOGY | Undergrad ML Researcher
March 2020 – Present | Seattle, WA
Working with **Dr. Rajesh Rao** and **Dimitrios Gklezakos** to:
- Develop a audio-visual hypernetwork for representation learning with planned submission to **ICCV**.
- Create a convolutional, manifold-learning based network to learn complex features in natural images in an unsupervised fashion.

SELF-DIRECTED | NLP Researcher
November 2020 - Current | Seattle, WA
Working with **Kai Mihata** to:
- Investigate the downstream effects of geodesic nonlinear dimensionality reduction (Isomap) on BERT with planned submission to **TextGraphs at NAACL**.

ICTD LAB | Undergrad Researcher
November 2018 - May 2019 | Seattle, WA
Worked with **Dr. Spencer Sevilla** to:
- Investigate the viability of different chat apps in poor network conditions.
- Implement a teaching solution for schoolchildren in rural Indonesia.

EXPERIENCE

UW | 2x for Undergrad / Grad Machine Learning TA
January 2021 - Present, March 2020 – June 2020 | Seattle, WA
- **(Both)** Designed homeworks and section material for 150+ person classes. Held weekly office hours, monitored Piazza, and graded assignments.
- **(Winter 2021 for Undergrad)** Teaching and preparing 25-person section.
- **(Spring 2020 for Undergrad / Grad)** Supported graduate students as well.

MICROSOFT | Software Engineering Intern - Defender Security
June 2020 - September 2020 | Remote
- Reduced related COGS by $100K - $1M by creating ML model to selectively download dangerous files for analysis. In production.
- Built infrastructure for ring-based ML model deployment. In production.
- Decreased researcher rule development time by 35%, by creating VSCode extension to natively test rules. In production.

MICROSOFT | Explore Intern - Office.com Front End
June 2019 – August 2019 | Redmond, WA
- Designed, implemented, and released front end notes tool for the Office.com team using Typescript, Redux, and React internally.

COMPETITIONS

2019	Top 4/36	UW Foster CBDC: Consulting Challenge
2017	3rd/1000+	Microsoft OneWeek Hackathon Consumer Category