

Katherine Feng

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EDUCATION

Washington University in St. Louis, MO

Aug 2023 - May 2027

Major/Minor: Computer Science & Statistics; Women, Gender, and Sexuality Studies; GPA: 4.00

Coursework:

TA for Intro to Computer Engineering, Data Structures and Algorithms, Logic and Discrete Mathematics, Object-Oriented Software Development, Linear Algebra, Intermediate Statistics, C++ Database Design, Intro to Artificial Intelligence, Intro to Game Design, Number Theory, Ordinary Differential Equations

Skills: Java, Python, C++ (Udacity Nanodegree Certificate), C, HTML/CSS/JavaScript, R, SQL, Git, Proficiency in Linux/Unix

EXPERIENCE

Washington University, Intro to Computer Engineering - Teaching Assistant

Jan 2024 - Current

- Led 40+ students in active-learning sessions and office hours in the fundamental operations of computers.
- Utilized proficiency in C to support students and provide constructive feedback for class assignments.
- Worked closely with faculty and TA team to cultivate positive and efficient learning environment.

Cook Out - Crew Member

June 2023 - Aug 2023

- Maintained high quality of customer service during high-volume, fast-paced operations.
- Served 200+ customers throughout the day at one of the most popular Cook Out branches.
- Cleaned, sanitized, and organized dining and kitchen areas routinely.
- Strengthened strong interpersonal and teamwork skills while working alongside the rest of crew.

Clemson University School of Computing - Research Assistant

Jun 2022 - July 2022

- Researched dynamic fluid surface reconstruction through computer vision and deep neural networks.
- Utilized Clemson's supercomputer for neural network training and testing for dynamic fluid surface analysis.
- Developed deep learning skills with PyTorch.
- Gained valuable research experience in a lab setting.

PROJECTS

Great Rivers Greenway

Jan 2023 - Current

- Worked with local environmental organization to create a web-based simulation about greenways.
- Built front-end heavy tech stack with a team of 10 WashU students.
- Strengthened skills in React.js, Node.js, and SASS while developing website project.

Restoration Ecology at Local Hartsville Botanical Gardens

Jan 2023 - May 2023

- Researched restoration methods for vulnerable ecosystems threatened by invasive and aggressive species at local gardens.
- Designed website from scratch to showcase restoration efforts towards target garden plots and to connect local community with restoration work. <https://katherine-feng.github.io/SCGSSM-Restoration-Ecology/index.html>

Leadership and Activities: Women in Computer Science, Society of Women Engineers, Future Leaders of Mckelvey Engineering, Google Developer Student Club Outreach, Wilderness Project Leader -Aims to make the outdoors more inclusive through backpacking