

Sunwoo Jennifer Ha

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RESEARCH EXPERIENCE

Dept. of Computer Science, Wash U. ST. LOUIS, MO
Graduate Researcher AUG. 2019 – PRESENT

Visual Data Analysis Group (VDAG), Mentor: Dr. Alvitta Ottley

Dept. of Computer Science, Wash U. ST. LOUIS, MO
Data Visualization Research Intern JUN. 2018 – AUG. 2018

Big Data Analytics REU Program, Mentors: Drs. Alvitta Ottley and William Yeoh

Dept. of Computer Science, WPI. Worcester, MA
Data Science Research Intern JUN. 2017 – AUG. 2017

Data Science REU Program, Mentors: Drs. Emmanuel Agu and Elke Rudensteiner

TEACHING EXPERIENCE

Dept. of Computer Science, Wash U. ST. LOUIS, MO
Assistant Instructor AUG. 2020 – DEC. 2020

Course: Introduction to Visualization (CSE 457A)

Dept. of Computer Science, New College of FL. SARASOTA, FL
Teaching Assistant AUG. 2017 – DEC. 2018

Courses: Object-Oriented Design, Functional Problem Solving with Scheme, Social and Ethical Issues in Computer Science

PUBLICATIONS

S. Ha, S. Monadjemi, R. Garnett, and A. Ottley. A Unified Comparison of User Modeling Techniques for Predicting Data Interaction and Detecting Exploration Bias. *IEEE Transactions on Visualization and Computer Graphics*, 2022 (To Appear).

S. Monadjemi, **S. Ha**, Q. Nguyen, H. Chai, R. Garnett, and A. Ottley. Guided Data Discovery in Interactive Visualizations via Active Search. *IEEE Transactions on Visualization and Computer Graphics*, 2022 (To Appear).

M. Bancilhon, A. Wright, **S. Ha**, J. Crouser, and A. Ottley. Why Combining Text and Visualization Could Improve Bayesian Reasoning: A Cognitive Load Perspective. 2022 (In Submission).

S. Ha, A. Kern, M. Bancilhon, and A. Ottley. Expectation Versus Reality: The Failed Evaluation of a Mixed-Initiative Visualization System. *IEEE Workshop Celebrating the Scientific Value of Failure (FailFest)*, 2020.

C. Wayllace, **S. Ha**, Y. Han, J. Hu, S. Monadjemi, W. Yeoh, and A. Ottley. DRAGON-V: Detection and Recognition of Airplane Goals with Navigational Visualization. *Proceedings of the AAAI Conference on Artificial Intelligence*, 34(09):13642–13643, 2020.

EDUCATION

Washington University in St. Louis
Ph.D. in Computer Science

Expected MAY 2024 | ST. LOUIS, MO
Advisor: Dr. Alvitta Ottley

Washington University in St. Louis
M.S. in Computer Science

Expected MAY 2023 | ST. LOUIS, MO
Relevant courses:

- Advanced Visualization
- Introduction to Artificial Intelligence
- Human-in-the-Loop Computation
- Human-Computer Interaction
- Bayesian Methods in Machine Learning

New College of Florida

B.A. in Computer Science
Class of 2019 | SARASOTA, FL

HONORS AND AWARDS

Inclusivity and Diversity Scholarship
IEEE VIS 2022

Dean's Select Fellowship
Washington University in St. Louis

Presidential Scholarship
New College of Florida

SKILLS

Programming Languages
Python, JavaScript, Java, R, MATLAB

Tools
React, D3.js, Node.js, AWS,
Git, MySQL, Flask, JupyterLab

Languages
English (fluent), Korean (native)