

HERBERT E. WRIGHT

Github: Herb-Wright | Email: herb.e.wright@gmail.com | Website: herbiewright.com

EDUCATION

University of Utah - School of Computing

3.92 GPA | Bachelor of Science in Computer Science, Minor in Mathematics

Salt Lake City, UT

Aug 2021 - Dec 2024

- 5x College of Engineering Deans List
- Relevant Courses Completed: Software Practice II, Algorithms (Undergrad and Grad level), Deep Learning, Linear Algebra, Calculus III, Intro to Optimization, Computer Vision, Machine Learning, Survey of Numerical Analysis, Computer Systems, Algorithmic Foundations of Robotics, and more
- Relevant Course Currently Taking: Advanced Optimization (Grad level), Algorithms Geometry and Optimization (Grad Level)

EXPERIENCE

University of Utah - LL4MA Lab

Undergraduate Researcher

Salt Lake City, UT

Aug 2022 - Now

- 2x Recipient of UROP stipend
- Worked on tabletop scene perception for robotic manipulation

Henry Schein One

Software Engineering Intern

American Fork, UT

May 2022 - Now

- Used Java, JavaScript, NextJS, Spring Boot, as well as other frameworks in a corporate setting
- Learned how to develop enterprise software on a team in an agile environment
- Used tools such as GitLab, Jira, Confluence, Figma, and others

University of Utah - School of Computing

Teacher's Assistant

Salt Lake City, UT

Jan 2022 - May 2022

- TA for CS 3130: Engineering Probability and Statistics
- Learned how to communicate technical concepts effectively

PROJECTS

Portfolio Website

<https://herbiewright.com>

JavaScript/SCSS

- I built a portfolio website for myself using NextJS, React, and Sass
- Dockerfile allows it to be run in a docker container

Spreadsheet Application

<https://github.com/Herb-Wright/spreadsheet-application>

C#

- Spreadsheet application that supports formulas, copying cells, and saving to and loading from a file

V-PRISM Research Paper

<https://arxiv.org/abs/2403.08106> | <https://herb-wright.github.io/v-prism/>

Latex/Pytorch

- A robotics research paper about mapping unknown tabletop scenes
- Bayesian method that uses an EM Algorithm

SKILLS

- Proficient in **JavaScript**, have used React, Node, NextJS, Express, Jest and others
- Proficient in **Python**, have used Pytorch, rospy, scipy, Conda/Mamba, and others
- Proficient in **HTML/CSS**, have used Sass and Bootstrap
- Proficient with **Git**, have used GitHub and GitLab
- Familiar with **C#**, have used ASP.NET and Windows Forms
- Familiar with **C/C++**, have used Qt
- Other Languages/Technology I've used: Java, R, **Docker**, Linux, **SQL**, MongoDB, ROS, Figma, Jira, and others