

# Henry Wu

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## EDUCATION

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### Purdue University

Bachelor of Science in Computer Science

- Cumulative GPA: 3.93/4.0

May 2023

West Lafayette, IN

## RELEVANT COURSEWORK

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Object-Oriented Programming (Java)

Discrete Mathematics

Data Structures and Algorithms

Computer Architecture and Systems Programming

Data Mining and Machine Learning

## PROJECTS

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### Custom Shell Interpreter — C, C++

March 2021

- Implemented the lexer and parser in Flex and Bison used to interpret the command line input
- Added functionality required to mimic the behavior of Bash

### Inventory Management System — Node.js, React

January 2021

- Implementing the frontend of an inventory management system as a web application using React
- Planning to complete the backend using Node.js and MongoDB to store user and inventory info

### Sustainable Clothing (Hackathon Project) — Node.js, React

September 2020

- Implemented the backend of a web app using Node.js with a database running on MongoDB
- Designed and implemented responsive UI for the web app using React, HTML, and CSS

### Handwriting Classifier — Python

July 2020

- Trained a neural network on the MNIST dataset to classify images of handwritten numbers
- Implemented the neural network using Python and TensorFlow

### Hackathon Project (Void Therapy) — Dart (Flutter)

September 2019

- Created the UI for a mobile app, that functions as an anonymous platform, for users to post their thoughts and frustrations

## SKILLS

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Programming

Python, Java, JavaScript, C, C++, C#, HTML, CSS, Node.js

Tools

Unity, Blender, Git, Processing

Languages

English (Native), Mandarin Chinese (Native)