

ADORA WU

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EDUCATION

University of Texas at Austin

December 2024

B.S.A Chemistry, Elements of Computer Science Certificate

GPA: 3.95

- Multivariable Calculus
- Algorithms
- Probability
- Dynamic Programming
- Web Programming
- Statistics
- Linear Algebra
- Data Management

EXPERIENCE

Samsung Austin Semiconductor

May 2023 – August 2023

Semiconductor Engineering Intern - Data Science

Austin, United States

- Deployed a Streamlit app to display tables and graphs depicting photo-lithography material stock data
- Manipulated large datasets from cloud using NumPy and pandas to generate desired material stock data
- Developed data collection plans for chemicals to highlight layers of interest and key defects for future batches
- Created an algorithm to prioritize upcoming material batches based on stock, qualification time, and size
- Implemented an automated Python script to update Excel spreadsheets using OpenPyXL, reducing manual effort, increasing efficiency, and eliminating human error

Supra-molecular Sensors Lab

January 2022 – December 2022

Undergraduate Researcher

Austin, United States

- Processed and analyzed multivariate data sets using chemo-metrics and machine learning
- Synthesized peptide-based sensors using binding assays to identify compounds and determine components
- Implemented differential sensing techniques in order to quantify sensor-analyte interactions

Nori Austin

August 2022 – May 2023

Server

Austin, United States

- Provided personalized service and anticipated guests needs to create exceptional dining experiences
- Coordinated tasks and duties efficiently with other colleagues to produce seamless operations
- Efficiently worked in a fast-paced environment, managing multiple tables and time-sensitive orders while upholding service quality and attention to detail

PROJECTS

Functional Piano Game | JavaScript

- Developed a memory-based web browser game featuring a functional piano with keys bound to keyboard keys
- Conceptualized and produced all original artwork and sprites from scratch using Pixil Art
- Learned the framework PhaserJS and programmed collaboratively in 24 hours as part of HackTX 2022

Online Portfolio | jQuery, HTML, CSS

- Implemented a website in order to introduce myself and major products
- Conceptualized front-end interface using Figma and created using CSS, HTML, and JavaScript

Wordle Generator | Python

- Constructed a version of the popular word game Wordle where players must guess a five-letter word within 6 guesses, using hints from previous guesses
- Implemented an algorithm to find all possible guesses based on known letters

Food Drive | JavaScript, HTML, CSS

- Devised a non-profit website that connected restaurants and grocery stores with extra food to charities
- Created front end interface using React with exceptional UI and UX and used Firebase to store user information and data
- Programmed in 12 hours as part of Freetail Hackers Hack for Humanity

TECHNICAL SKILLS

Languages: Python, JavaScript, SQL, HTML, CSS, Java, R/RStudio, PHP

Technologies: VS Code, NumPy, GitHub, Git, Node.js, React, jQuery, pandas, OpenPyXL, Streamlit, Linux, GitHub, Git, Confluence, Excel