

ADORA WU

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EDUCATION

University of Texas at Austin

May 2025

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

GPA: 3.95

- Data Structures
- Algorithms
- Probability
- Dynamic Programming
- Web Programming
- Applied Statistics
- Linear Algebra
- Data Management

Awards: Second Year Excellence Award, Cecil Harrison Hale Endowed Scholarship

EXPERIENCE

Samsung Austin Semiconductor

May 2023 – August 2023

Software Engineering Intern

Austin, United States

- Designed cloud app using Streamlit and Matplotlib to visualize photo-lithography material stock data
- Aggregated cloud data with 100,000+ data points using NumPy and pandas to compare stock data to prioritize low batches
- Developed 18 data collection plans for chemicals to highlight sensitive layers and key defects for future batches
- Increased efficiency by 30-fold and eliminated human errors by programming an automated Python script to update Excel spreadsheets using cloud data and OpenPyXL

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 in Matlab
- 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

- 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 reaching daily sales over \$1,000

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 programmed using CSS, HTML, and jQuery

Potluck Sign Up Sheet | PHP, Ajax, MySQL

- Constructed a website allowing users to sign up for a potluck integrating a secure login system, powered by MySQL and PHP for backend operations
- Utilized Ajax to update the list of names and food items, and sessions to store registered user's data, creating a dynamic and responsive user experience

Food Drive | React, 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, Firebase, jQuery, pandas, OpenPyXL, Streamlit, Linux, GitHub, Git, Confluence, Excel