

YINUO CHEN

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Portfolio: <https://ynchen2829.github.io/yinuo.io/>

EDUCATION

Bachelor of Science in Electrical and Computer Engineering Honor

December 2023

GPA: 3.97/4

Relevant Coursework: Distributed Systems, Software Implementation, Operating System, Algorithms, Software Design Lab, Linear Signals & Systems, Intro to Embedded System, Digital Logic Design, Linear Algebra, Discrete Math, Probability

Bachelor of Science in Radio Television Film with Japanese Certificate

May 2023

Relevant Coursework: Producing in Film & TV, Multicam Directing, Digital Media Production, Filmmaking to Decolonize.
The University of Texas at Austin

SKILLS

Programming Language: Proficient with **Java, Python, C/C++**; Familiar with JavaScript, HTML, CSS, Verilog

Frameworks & Tools: Docker, Kubernetes, Flink, React.js, GitHub, Premier, Photoshop

Databases: MongoDB, DynamoDB; Familiar with MySQL

Operating System: Linux, Windows 10, MacOS

INTERNSHIP & PROJECTS

Software Engineering Intern, Expedia Group

Fall 2022

- Developed stateful Flink functions and unit tests to process financial data from Kafka topics which helped the process of centralizing finances at a higher level.
- Dockerized the existing code base, increasing software security and simplicity, reducing environment setup time.

Undergraduate Learning Assistance, EE360C: ALGORITHM

Spring 2022

- Designed homework questions using LaTeX, revised lab problems in Java, improving professional writing and research skills.
- Held weekly office hours to help students with lab and homework problems. Enhanced communication skills and solidified knowledge of data structures and algorithms.

Wearer Speech Detection from Smartwatch Audio with Clustering and One-Shot Samples(Currently processing for Publication)

Fall 2020- Fall 2021

- Developed search methods for fitting clustering algorithms such as Agglomerative, K-Medoids, and Spectral to categorize audio data.
- Obtained basic machine learning concepts such as supervised and unsupervised learning by collaborating with a mentor.
- Strengthened Python programming, paper reviewing, and data labeling skills in Excel.

Full Stack Web Application: Hardware Resources Management System

Fall 2021

- Constructed a web application for a HaaS system in Python with Flask, MongoDB, React.js, and Heroku to simulate purchasing for hardware resources.
- Utilized Atlassian to manage development to meet stakeholder needs and maintain Agile standards.

Interactive game Embedded System Final [Project](#)

Fall 2020

- Developed an original video game using Ti TM4C and Cortex M processor with a partner.
- Constructed basic circuits for gaming components .
- Interfaced with hardware using C to run the logic of the game and manage I/O and program state.

Accomplishments

CSSA

Social Department Chair; Summer 2022 - current

Women's Relief Initiative

Social Department Chair; Summer 2020 - Fall 2021

First Place; IEEE Robotics & Automation Society -- Robotathon,

Fall 2019

HackTX

Fall 2020