YINUO CHEN

Austin, Texas|(830)-320-1546| ynchen2829@utexas.edu
Portfolio: https://yinuo.fyi/

EDUCATION

Bachelor of Science in Electrical and Computer Engineering with Honors December 2023
*GPA: **3.9/4***
Relevant Coursework: Distributed Systems, Virtualization, Software Implementation, Operating System, Algorithms, Software Design Lab, Requirement Engineering, Linear Signals & Systems, Linear Algebra, Discrete Math, Probability
Bachelor of Science in Radio Television Film with Honors and Japanese Certificate May 2023
The University of Texas at Austin

SKILLS

Programming Language: Proficient with **Typescript, Java, Python, C++, Kotlin,**; Familiar with JavaScript, C
Frameworks & Tools: React.js, Next.js, Vue.js, GraphQL, REST, ShellScript, Docker, Git, MySQL, Jira; familiar with Kubernetes, DataDog, MongoDB, Firebase; AWS (lambda, DynamoDB), Vercel, Cloudflare

EXPERIENCE

Full Stack Engineering Intern, Expedia Group Summer 2023
- Designed and developed the ground transportation search form in React.js for Expedia's landing page with over 102M daily visits, expanding the array of services Expedia offers with efficient form design.
- Designed schema for the search form data and constructed an entry point API with GraphQL and Apollo Client with both network and browser cache data retrieval, enhancing load times by 3X.
- Participated in Agile development, and completed various tasks ranging from design and development to bug fixes and unit/component testing.

Software Engineering Intern, Expedia Group Summer 2022
- Developed stateful Flink functions and unit tests to process financial data from Kafka topics, accelerating the centralization of financial operations at scale.
- Dockerized the existing code base with comprehensive license integration, resulting in improved software security, simplicity, and availability.
- Led the successful migration of the financial data ingestor from Java 8 to Java 11, bolstering cross-platform compatibility.

Undergraduate Learning Assistance, EE360C: ALGORITHM Spring 2022
- Produced homework using LaTeX, and designed SSSP and dynamic programming problems for labs.
- Conducted weekly office hours to provide one-on-one support for students tackling lab and homework challenges, honing communication skills, and deepening expertise in data structures and algorithms.

PROJECTS & COURSEWORK

Full Stack Web Event Check-in System - Deployed Next.js and Tailwind-based event check-in system for 400+ customers, optimized guest arrival time to expedite performance start time.
Full Stack Web Application: Hardware Resources Management System - Constructed a web application for a HaaS system in Python with Flask, MongoDB, React.js, and Heroku to simulate purchasing hardware resources with Jira to manage requirements.
Gradecast Algorithm on The Weighted Byzantine Agreement Problem - Devised and implemented a novel Gradecast-based algorithm to address the weighted Byzantine agreement problem, applicable in diverse scenarios such as blockchain consensus and distributed network sensors agreement.
A Dataset for Foreground Speech Analysis with Smartwatches in Everyday Home Environments
Published on ICASSPW with the development of search methods for fitting clustering algorithms such as Agglomerative, K-Medoids, and Spectral to categorize audio data with PyTorch and Panda.