Andrew Dao
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EXPERIENCE

Teaspoon 2014 – 2015
Barista and Shift Lead

- Provided direction to the restaurant team, ensuring workflow efficiency, teamwork, and productivity
- Inspected equipment for defects and proper utilization towards maintaining regulatory compliance
- Participated in new employee recruitment and training, resulting in a 7% turnover reduction

PROJECTS

Fitness Tracker

*Description***:** A fitness solution app utilizing web-browser capabilities to facilitate trainer and client engagement for efficient activity and progress monitoring

- Addressed the app's dynamic components to streamline customer needs and perpetuate operational efficiency
- Engaged with peers in a collaborative work environment for goal-setting, development, and launching the product
- Incorporated storage and management aspects of the PERN stack in the final versions of the project

League of Legends Data Visualization
Description: A series of data visualizations that showcases the data from the game's API or web data using Python to allow newer players quick access to information that is conventionally difficult to find.

- Developed specific visualizations for information display and accurate presentation to the users
- Implemented improvements to the user interface (UI) in the course of the project's development
- Effectively incorporated analytical criticism and feedback towards improving the final product

Search Engine
Description: A back-end and dynamic front-end (full stack) multi-threaded in-memory web crawler and search engine

- Built a reusable and maintainable code, continuously extracting URLs and fetching pages
- Implemented maintenance functions by executing numerous debugging functions

Memory Allocator
Description: Utilized a circular array to develop a custom memory allocator

- Implemented dynamic memory allocation using malloc, calloc, and realloc from scratch
- Gained an understanding of operating system functionality

Digital Processor
Description: Implemented and successfully simulated ARM micro-architecture using Digital

- Effectively utilized Digital, Assembly, and C; achieving close to 100% success in the simulation
- Learned the details of Machine code instructions' operationalization

EDUCATION

University of San Francisco Aug. 2018 – May 2021
Bachelor of Science in Computer Science San Francisco, CA

- **Coursework**: C and Systems Programming, Data Structures and Algorithms, Computer Architecture, Operating Systems, Computer Graphics, Data Mining

SKILLS

- **Languages**: Java, JavaScript, C, HTML, CSS, D3.js
  ● DataBases: PostgreSQL, sql
- **Tools**: Tableau, Git, VsCode, Apache, Eclipse IDE, Maven, JUnit
- **Tech stacks**: PERN
- Testing and debugging
- Performance and scalability optimization
- Design and development
- Oral and written communications
- Multitasking