Jason Yu

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EDUCATION

Bachelor of Science in Computer Science | Minor in Business　　　　Austin, TX | Graduating May 2024
UNIVERSITY OF TEXAS | 3.3 GPA

EXPERIENCE

ARISTOCRAT | SOFTWARE ENGINEERING / DEVOPS INTERN　　　　Austin, TX | August 2022 - Current
- Architect, build, advocate, and operate infrastructure solutions and tooling accelerating the company's goals for hybrid on-premises and public cloud deployments
- Used the Agile methodology to determine what features to build and what problems to prioritize
- Utilized SQL and NoSQL databases using PostgreSQL and MongoDB as forms of backend communication
- Utilized Docker and Kubernetes to aid with product containerization and orchestration

VARSITY TUTORS | JAVA PROGRAMMING LECTURER AND INSTRUCTOR　　　　Houston, TX | May 2022 - Current
- Taught students fundamental computer science concepts including algorithm development, problem decomposition, abstraction of data, canonical data structures, and object-oriented programming through core Java.
- Helped students implement programs consisting of several programmer defined data types and several hundred lines of code employing non trivial algorithms.
- Guided students in personal one on one sessions as well as instructed medium to large capacity class sizes.
- Developed my own curriculum that taught students Java from the ground up with no coding experience required.
- Expanded communication and leadership skills through connecting with students, leading team building exercises, developing lesson plans, and communicating clear objectives and lectures.

KUNG FOOD ASIAN RESTAURANT | KITCHEN EXPEDITOR　　　　Houston, TX | May 2020 – Aug 2020
- Organized inward flow of ticket orders and aided kitchen staff in organizing and prioritizing outgoing meals.
- Maintained quality control of food and ensured that it met restaurant visual standards as well as followed all food safety regulations.
- Relayed information regarding customer complaints and interceded high volume orders to resolve customer issues.
- Managed inventory of incoming shipments, materials, and produce needed by the restaurant for the next day.

LEADERSHIP AND INVOLVEMENT

RELIGIOUS EDUCATION CENTER | VOLUNTEER　　　　Houston, TX | Mar 2019 – May 2019
- Gathered informational data from 150 students and optimized data for monthly reports.
- Utilized reports to suggest improvements in activities to increase student participation.
- Presented reports to members to inform them of success within the Religious Education Center.
- Conducted local fundraiser and assisted parents with details regarding registration and camp details.

PROJECTS

ANDROID ISOTOPE APP ⬀　　　　JAVA, KOTLIN, ANDROID STUDIOS
School project developed using Android Studios that calculates isotope distributions and plots the mass spectrum. Researched and implemented BRAIN (Baffling Recursive Algorithm for Isotopic distributioN calculations) with a partner.

CONSOLE WORDLE SOLVER ⬀　　　　JAVA
Simple, text-based wordle solver that works based on finding valid candidate words based letter distribution from the user's initial guess. Will provide further guesses and repeat the algorithm accordingly.

SKILLS

Proficient Languages: Java
Familiar With: C, PostgreSQL, MongoDB, HTML, CSS, Javascript
Technology: Git, Maven, Spring, Hibernate, Docker, Kubernetes, IntelliJ Idea, LaTeX, Linux, Windows