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James Jin

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https://github.com/ImFalse https://imfalse.github.io/

Education

Charlottesville, VA **University of Virginia** **August 2020 – May 2024**

- **Major:** Computer Science, B.A. (in-major GPA: 3.5)
- **Major:** Economics, B.A. (in-major GPA: 3.4)
- **Programming Coursework:** Data Structures & Algorithms, Software Development Essentials, Data Science with Python & R, Foundations of Data Analysis, HCI in Software Development, Discrete Math
- **Economics Coursework:** Econometrics, Intermediate Microeconomics, Intermediate Macroeconomics, Statistical Analysis & Probability, Calculus II, Sustainability Economics

Skills

Software: (*proficient*): Python | Java | JavaScript | SQL | PHP | Junit | Mockito | Agile | Reactjs | Git | Github | HTML | CSS | R | Object-Oriented Programming | Software Development | Visual Studio Code | IntelliJ | Linux | Stata

Employment

Data Privacy, Apprentice **Capital One Financial Corporation** **June-August 2022**

- Participated in intensive development workshop under Capital One mentors, where I honed my skills in data privacy and security by investigating case studies of corporal data privacy concerns.
- Utilized research and complex data modeling techniques to create cohesive solutions to data frameworks.
- Led a team, presented final data-analysis to numerous Capital One executives and team members, demonstrating my ability to effectively communicate and lead technical projects.

Resource Analytics, Intern **International Rescue Committee** **February-April 2022**

- Implemented data analysis techniques to optimize resource allocation and improve inventory management.
- Collaborated with cross-functional teams to analyze resource consumption data and make data-driven decisions.
- Trained and mentored volunteers on effective inventory management and data analysis techniques, leading to improved resource utilization and client satisfaction.

Software Engineer, Intern **Planet Cents, Inc** **January-April 2021**

- Designed and implemented dynamic and user-friendly front-end interfaces for web-based applications using HTML, CSS, and JavaScript.
- Maintained and updated existing web-based applications, ensuring compatibility with multiple browsers and mobile devices.
- Contributed to the development and maintenance of code libraries, templates, and documentation to ensure consistency and efficiency across projects.

Software Projects & Experiences

Personal Website: **https://imfalse.github.io/** (*for additional information and projects*)

Email Client | ***Java Project***

- Developed a java-based email client using Java Swing for user interface and JavaMail API for handling email communication, providing a seamless experience for sending emails.
- Implemented features such as email composition, recipient validation, subject and message input, and error handling to ensure a user-friendly and robust application.
- Utilized email authentication and secure TLS connections to guarantee secure and reliable email communication via SMTP protocol.

Online Bookstore Database | ***SQL Database***

- Designs and implements a relational database schema in SQL, modeling entities like books, authors, customers, orders, and transactions, with primary keys, foreign key constraints, and unique constraints to ensure data consistency and referential integrity.
- Utilizes DML statements, SQL views, and stored procedures for efficient CRUD operations, advanced search functionality, and automation of common tasks, streamlining the interaction with the online bookstore database.
- Facilitates a cohesive data model by linking customers, orders, and transactions through foreign key relationships, enabling order tracking, transaction processing, and enhanced user experience in the online bookstore application.

Translator App | ***JavaScript Application***

- Designed and implemented a language translation application using JavaScript, HTML, and CSS, with functional copy and speech-to-text capabilities, enabling offline language practice in nearly 40 languages.
- Adopted Agile development methodologies, Object-Oriented Programming concepts and test-driven development practices to construct optimized and cohesive solutions.

Alien Invasion | ***Python Game***

- Developed a comprehensive arcade game, Alien Invasion, from scratch utilizing object-oriented programming principles and utilizing various data structures, such as lists and dictionaries, to efficiently store and retrieve game assets.
- Implemented various algorithms, including collision detection and AI behavior, to enhance game functionality and provide a challenging gameplay experience.