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**James Jin** jinjames077@gmail.com

<https://github.com/ImFalse> [www.jamesjin.tech](http://www.jamesjin.tech)

**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 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 for the International Rescue Committee's programs and clients.
* 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 Projects & Experiences**

**Personal Website:** [www.jamesjin.tech](http://www.jamesjin.tech) (*for additional information and projects*)

**Email Client** *|* [***Java Project***](https://github.com/ImFalse/Java-Email-Client)

* 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***](https://github.com/ImFalse/SQL-Online-Bookstore-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***](https://github.com/ImFalse/Translator-App)

* 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.
* Constructed a robust event-driven architecture to handle user inputs and control game flow.

**Voting Trends during Economic Downturn | *Econometrics Research Paper***

* Conducted a comprehensive econometric analysis of state-level gubernatorial election voting patterns during economic downturns.
* Employed data-driven methodologies, including descriptive statistics and hypothesis testing, to uncover significant relationships between economic indicators and voting behavior.