

Jamie Jin

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<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

Employment-----

Data Analytics, Intern

Verizon Communications

June-August 2023

- Leveraged advanced NLP techniques create topic models and clusters from freeform text data using R programming, providing detailed insights into key trends, and potential areas of concern which helped aid Verizon's internal audit department in risk management.
- Developed actionable strategies to bridge the gap in risk prioritization within Verizon's audit department, changing audit's approach to managing both short-term and long-term risks for more effective and sustainable risk management practices.
- Applied data cleaning best practices to analyze survey data, effectively identifying key risk trends and scope areas within Verizon's operational risk landscape.

Data Privacy & Analytics, Apprentice

Capital One Financial Corporation

June-August 2022

- Participated in a transformative program at Capital One that reshaped the data privacy team's approach to data laws and governance, introducing innovative perspectives drawn from hands-on real-world case studies.
- Evaluated the privacy implications of sharing customer financial data with a third-party company and developed a comprehensive protocol to outline permissible information sharing, ensuring compliance with data privacy laws.
- Employed Python libraries such as Pandas and NumPy to dissect historical data breach incidents, leading to the development of interactive visualizations that spotlighted crucial trends, enabling Capital One to enhance their data breach management.

Software Engineer, Intern

Planet Cents, Inc

January-April 2021

- Engineered intuitive taskbars and navigation elements for Planet Cents' website, utilizing HTML, CSS, and JavaScript, enhancing the user experience and engagement.
- Conducted compatibility testing across various browsers and mobile platforms for web applications, ensuring consistency in the user interface on different screen sizes within Planet Cents site.

Projects & Experiences-----

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

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.
- Utilized stored procedures for 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.

Email Client | [Java Application](#)

- 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.

Wordle | [Java Game](#)

- Used JavaFX to design a dynamic and responsive UI for Wordle, which allows for updates with user inputs, reflects game progress, and incorporates features like auto-focus for text fields, enhancing user experience.
- Implementation of event-driven programming, such as comprehensive word validation, sophisticated endgame scenarios with replay options, and intricate event listeners (e.g., backspace navigation, enter key submissions), ensuring a fully functional Wordle game.

Skills-----

Software: Python | Java | JavaScript | SQL | Junit | Mockito | Agile | Git | GitHub | NLP | HTML | CSS | R | JavaFX | Object-Oriented Programming | Software Development | Visual Studio Code | IntelliJ | Stata