**Songhee Yim**

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**LinkedIn:** <http://www.linkedin.com/in/songhee-y-821442167>  | **Portfolio**: <https://songhee95.github.io/portfolio-2nd>

**Blog**: https://hailey-ds-journey.blogspot.com/

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**TECHNICAL SKILLS**

SQL | Python, R | Machine Learning | JavaScript, Swift | Tableau | Postman | Excel | SAP ERP | Jira | Confluence | Project Management | eCommerce | POS system | Full stack development |   
 **WORK EXPERIENCE**

**Senior System Data Analyst July 2022 – Current**

***Samsung Electronics America, eCom division* Bellevue, WA**

* Drive the resolution of critical defects within eCommerce order processing, recovering a total of $2 million in impacted revenue streams. Support **ERP SAP integrations, API testing, orchestrate smooth NERP system deployments, and implement key modules.**
* Collaborate with the fulfillment team to **address and resolve systematic issues throughout the entire order fulfillment process, from order dropping to delivery.**
* Conduct an extensive review of current data validation procedures, identify gaps, assess data integrity risks and potential vulnerabilities across systems.
* Collaborate with the data team to create interactive **financial reconciliation dashboards using SQL, focusing on requirement analysis, data validation, and query accuracy.**
* Address and resolve defects impacting a significant sum of $0.2M in BOPIS/ DTC order processing.
* Rectify a 2021 **data glitch**, leading to the recovery of $0.5M from missing orders in 2023.

**Software Engineer / IOS Application Developer July 2021 – July 2022**

***PureJoin* Duluth, GA**

* **Designed, developed, tested, and maintained POS system software**, ensuring seamless integration with various hardware components using Swift, Objective-C, SQL, Java Script, and PHP.
* **Led the development and integration of reward programs into the POS system** from scratch, enhancing customer engagement and loyalty.
* **Spearheaded the development and integration of a customer display interface, enabling real-time interaction** with the POS system.
* Developed an inventory management system with barcode scanning and printing functions to streamline operations.
* **Created a back-office system** to provide users with financial management, data maintenance, and advanced forecasting capabilities.

**RELEVANT PROJECT**

***Data Visualization - Real-Time Traveler Crime Alert [Group project]* Aug 2023- Dec 2023**

* Experienced in ETL processes, including extracting raw data from sources, transforming it through cleaning and validation, and preparing it for analysis.
* Innovating crime prediction for tourist safety involves utilizing a risk scoring heatmap and an advanced machine learning model to provide comprehensive insights into crime analysis.

***Data Modeling – eCommerce Fraud Detection [Side project]* Jan 2024 - Feb 2024**

* Implemented a robust fraud detection system for e-commerce transactions using Logistic Regression Random Forest, achieving 95.5% accuracy. Utilized Python for data preprocessing, feature engineering, and model evaluation, providing actionable insights into key predictors of fraudulent activity.

**EDUCATION**

* **Master of Computer Science in Analytics -** Georgia Tech **Class of 2025**
* **Bootcamp Certificate: Full Stack Developer –** Georgia Tech **(2020 – 2021)**
* **Bachelor of Science in Materials Engineering –** University of Texas**Class of 2018**