Daniel Li

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Education

Rutgers University New Brunswick, NJ

Bachelor of Science in Computer Science, GPA: 3.4 *Sep. 2022 – May 2026*

Relevant Coursework: Data Structures & Algorithms, Computer Architecture, Systems Programming, Numerical Analysis, Linear Algebra, Data Management & Data Science, Software Engineering

Technical Skills/Hobbies

Languages: Java, Python, JavaScript, SQL, C, Dart, HTML, CSS, PLC
Developer Tools: VS Code, Git, Flutter, AWS, Docker, Appwrite, Xcode, Android Studio, Homebrew, CocoaPods, React, Node.js, Firebase, Agile, Postman, SQLite
Hobbies: Bodybuilding, Tennis (HS captain), Swimming, Cooking, Esports

Experiences

L'Oréal | *Operations Intern: Excel, Power Bi* Jun 2025 - Aug 2025

- Leveraged On Time Fill Rate(OTFR) data within Walgreens customer portal and internal sources to identify areas of opportunity within on time performance.
- Conducted analysis using historical data to identify late shipment root causes and provided recommendations for corrective actions to reduce violation costs.
- Recommendations on new plans for carriers, distribution centers, and plants could save millions of dollars in violations.
- Monitored and analyzed in-store inventory levels via Walgreens customer portal to identify improvement opportunities both overall and by individual brand.
- Forecasted demand for new product launches to ensure optimal inventory levels and maximize sales potential.
- Tracked and evaluated shipment volumes and fill rate percentages by L'Oréal brands and products to identify high-demand items for increased production

Projects

Knightmarket | *AWS, Javascript, Node.js, React* Sept 2024 – Dec 2024

- Created a social platform offering a blend of a Reddit-like forum and a Facebook Marketplace-style feature
- Managed front-end and back-end development timelines, reducing project delays by 50%.
- The project is structured using React.js for the frontend, Node.js powering the backend logic with its integration with AWS, API Gateway to serve as a REST API, AWS Lambda to handle backend logic and functions, S3 to store images, and AmazonRDS to store structured data relating to all aspects of the application
- Each Lambda function was tested using Postman and MYSQL database to check for correct storage allocation
- AWS API Gateway serves as a mediator that routes the requests to the appropriate backend functions.

Car Price Estimator | *Python, SQLite* Dec 2024

- Developed a predictive model for used car prices, achieving 85% accuracy in price recommendations.
- SQLite is used for efficient storage and querying of large datasets, while Python handles data preprocessing, feature engineering, model training, and evaluation
- A linear regression model was used as it provided insights into the relationships between features and predicted car prices, highlighting the most influential variables such as car age, mileage, and condition.

MyMalloc | *C* Feb 2023

- Designed a custom malloc and free system in C, reducing memory fragmentation by 35%.
- Achieved efficiency in memory allocation and deallocation operations, with average times ranging from 5 to 20 milliseconds for various test scenarios
- Implemented block-splitting and coalescing to tailor memory allocated to requested sizes, minimizing fragmentation and optimizing memory usage