

Joseph Lin

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EDUCATION

Rutgers University

Bachelor of Science, Computer Science

Undergraduate Certificate, Packaging Engineering

New Brunswick, NJ

Expected Graduation: May 2025

Related Coursework: Principles of Computer Science, Data Structures and Algorithms, Object Oriented Programming, Data Exploration in Python, CAD for Packaging Engineering

EXPERIENCE AND EXTRACURRICULAR

Horizon Blue Cross Blue Shield of New Jersey

Database Engineer Intern

Newark, NJ

June 2024 - Dec 2024

- Developed SQL-based backup and recovery plans in Microsoft SQL Server, mitigating data loss risks and improving recovery efficiency
- Optimized database performance by 30% through collaboration with IT and infrastructure teams to align database management with server capabilities
- Documented migration processes and database configurations in Excel, streamlining future deployments and upgrades

Rutgers Blueprint

Software Engineering Fellow

New Brunswick, NJ

Sept 2023 - Dec 2023

- Built RESTful APIs and database schemas using Python and SQLite, enhancing data storage efficiency and reducing query execution time
- Strengthen backend development skills through hands-on experience with database normalization and version control using Git

PROJECTS

Gemini AI Chatbot

Developer

Lodi, NJ

- Achieved an interactive, AI-powered chatbot by leveraging the Gemini AI API, enabling natural language processing and real-time responses by integrating API-driven conversational logic
- Executed the development using React.js and Vite, optimizing performance, scalability, and user experience through a responsive and dynamic UI

Interactive Pizza Ordering Application

Developer

New Brunswick, NJ

- Designed and implemented a GUI- based pizza ordering system, allowing real-time order updates and export functionality for record-keeping
- Applied object-oriented programming principles to structure the codebase, enabling maintainability and faster development cycles for future updates

CIO Dashboard

Designer/Developer

Newark, NJ

- Established a framework using Figma for displaying a mockup CIO dashboard to showcase 15+ key departmental KPIs and metrics, ensuring clarity and functionality
- Refined data requirements and tailored charts, optimized to highlight critical metrics and support strategic decisions

TECHNICAL SKILLS

Programming Languages: Python, Java, HTML/CSS, JavaScript, SQL, C/C++, React.js

Tools: Adobe Photoshop, Microsoft Office (Word, PowerPoint, Excel), SolidWorks

Platforms: MacOS, Windows, Linux

LEADERSHIP POSITIONS

Rutger's Asian American Cultural Center (AACC)

Mentor

New Brunswick, NJ

Sept 2022 - Dec 2022

- Led one-on-one sessions with 15 first-year and transfer students, establishing goals to achieve academic and personal success
- Coordinated group activities that encouraged collaboration, peer learning, and professional networking among mentors and mentees