BELWIN JULIAN

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Education

Rutgers University **Sep. 2022 – May 2026**
Bachelor of Science in Computer Science — GPA: 3.6 (3x Dean's List) *New Brunswick, NJ*

Relevant Coursework

- Data Structures
- Algorithms Analysis
- Systems Programming
- Artificial Intelligence
- Software Methodology
- Data Science
- Computer Architecture
- Discrete Math

Experience

SageSure **June 2025 - August 2025**
Software Engineer Intern *Jersey City, NJ*

- Shipped a real-time status indicator that displays SageSure site availability, **cutting incident-response time 50%** by polling our uptime API and surfacing alerts directly in the React portal.
- Delivered a reusable Breadcrumbs component to the SageSure Design System, **boosting developer velocity 30%** and improving accessibility compliance across **15+ internal apps** through ARIA labeling and Storybook docs.
- Developed an AI-powered meeting assistant, which creates action items from meetings; presented the project to an audience of 300+ invited attendees, including company executives.

Gigaforce **June 2024 - August 2024**
Software Engineer Intern *Sunnyvale, CA*

- Developed a benchmarking application enabling insurance companies to upload data and compare it against the industry averages, including **over 9 participants.**
- Implemented a secure login system using **Express, Node, and REST APIs**, enhancing user security by hashing passwords, leading to a **100% reduction** in unauthorized access incidents.
- Developed interactive charts using **Plotly and Streamlit,** allowing users to visually see their data, resulting in a **60% increase in user engagement** with the application.
- Utilized **Pandas** DataFrame to efficently access and analyze user-uploaded data, **enhancing data processing speed by 40%** and ensuring accurate comparison metrics within the application.

Projects

FaceDetectML | *Python, Numpy, Machine Learning*

- Designed and implemented a face detection system using grayscale images and binary pixel features for classification.
- Developed two classifiers: Perceptron for linear classification and Naive Bayes for probabilistic classification, leveraging machine learning principles.
- Conducted experiments with **varying training data amount (10%-100%)** to evaluate accuracy, stability, and training efficiency.
- Analyzed performance metrics, **achieving 88-90% test accuracy** at full training data, showcasing the impact of data size on model robustness.

BiteFinder | *HTML, CSS, Javascript, React, Node, Express, Axios*

- Developed a full-stack web application using Node.js and Express.js that integrates with the **Yelp Fusion API** to provide random restaurant recommendations, serving over **100+ calls per day.**
- Built a dynamic and responsive frontend using **React**, resulting in a improved user experience and interface.
- Implemented efficient API call handling with **Axios** on both frontend and backend, reducing data retrieval times, enhancing overall application performance.
- Optimized backend performance with strategic error handling **reducing error rates by 50%**

Leadership

Rutgers Universiy — Cloud Computing Organization **October 2022 - Present**
Co-Founder and Vice President *New Brunswick, New Jersey*

- Lead a team of 5 officers to present fundamentals of **AWS, Azure, and GCP,** arranging 24 weekly workshops
- Organize interactive cloud-based projects for **117 members**, enhancing hands-on learning and retention by **22%**
- Onboarded over 40 members within a single semester, improving recruitment efficiency by **35%** and increasing overall club participation.

Technical Skills

Languages: Python, Java, C, HTML/CSS, JavaScript, SQL
Developer Tools: VS Code, Eclipse, Google Cloud Platform (GCP), Amazon Web Services (AWS)
Technologies/Frameworks: React, Node, Express, Pandas, Plotly, Numpy, Matplotlib