JUSTIN LI

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EDUCATION

Rutgers University-New Brunswick   **New Brunswick, NJ**
Bachelor of Sciences in Computer Science, Minor in Data Science   *Expected December 2025*

Cumulative GPA: *3.9/4.0* | **Honors & Awards**: *Dean's List (All Semesters), SAS Excellence Award (2023-2024)*
Relevant Coursework: Data Structures & Algorithms, Linear Algebra, Calculus II for the Mathematical and Physical Sciences, Discrete Mathematics II, Physics II, Statistics I, Introductory Data Science, Principles of Information and Data Management

TECHNICAL SKILLS

Programming: <u>Proficient</u> Java, Python, C#, HTML, CSS | <u>Familiar</u> SQL (MySQL), JavaScript
Frameworks & Libraries: ASP.NET MVC, Bootstrap, jQuery, LangChain, Entity Framework Core, pandas, NumPy, BeautifulSoup
Developer Tools: Visual Studio, Visual Studio Code, Git, Linux, Eclipse, Microsoft Excel, Jupyter Notebook

PROJECTS

Huffman Coding
Java   *March 2023 - April 2023*
- Implemented Huffman coding, a variable-length prefix coding algorithm, in Java
- Developed an efficient Huffman encoding system that demonstrated a deep understanding of data compression principles
- Leveraged Java's powerful libraries to optimize the performance of the Huffman coding algorithm

File Integrity Checker
Java   *December 2023 – February 2024*
- Developed a client-server application in Java to verify file integrity using SHA-256 hashing, ensuring data authenticity
- Implemented robust file handling operations to read, process, and hash files, facilitating seamless integrity checks
- Optimized data structures for efficient hashing and comparison, enhancing the system's performance and reliability

Summarization/Classification AI Chatbot
Python, Weaviate, LangChain, Llama Index   *June 2024 - July 2024*
- Built an efficient chatbot using Weaviate and LlamaIndex for summarizing and classifying web content
- Implemented hybrid query engines for enhanced content categorization and summarization
- Automated email reports with summarization results using Python's smtplib, ensuring timely communication of results

Portfolio Website
HTML/CSS, JavaScript, Bootstrap, jQuery   *July 2024 - August 2024*
- Designed and developed a personal portfolio website to showcase projects, technical skills, and accomplishments
- Implemented a responsive, user-friendly design using Bootstrap, ensuring the website is accessible across various devices
- Integrated GitHub repositories and live demos of projects, providing visitors with direct access to working examples

User Interface Administration Platform
C#, JavaScript, HTML/CSS, ASP.NET MVC, Entity Framework, SQL, Bootstrap, jQuery   *July 2024 - August 2024*
- Implemented Huffman coding, a variable-length prefix coding algorithm, in Java
- Developed an efficient Huffman encoding system that demonstrated a deep understanding of data compression principles
- Leveraged Java's powerful libraries to optimize the performance of the Huffman coding algorithm

PROFESSIONAL EXPERIENCE

Hack4Impact   **New Brunswick, NJ**
Incoming Front-End Software Developer   *September 2024 – December 2024*

Debevoise & Plimpton   **New York City, NY**
Software Engineering Intern   *June 2024 – August 2024*
- Created a Python script to classify and summarize files, using Weaviate and LlamaIndex, with outputs in Excel
- Developed a full-stack web app. using .NET6 with SQL Server, and Bootstrap with jQuery to manage user information
- Built a console application to automate daily SFTP transfer of CSV file data of 150,000+ members from a SQL database

ADDITIONAL INFORMATION

Organizations: USACS, RUMAD, VSA, Key Club, CCF, Hack4Impact, Headstarter
Volunteer: Long Branch Beach Coastal Cleanup, Marathon Support Staff, Youth Program Coordinator
Interests: 8-ball pool, Sudoku, minesweeper, bowling, weightlifting, thrifting, cooking, Korean R&B, Badminton
Languages: Proficient in Cantonese, Basic in German