JUSTIN SHIM

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EDUCATION

University of Maryland, College Park *Dec 2024*
Bachelor of Science, Computer Science and General Biology

EXPERIENCE

Bilingual Paralegal, Dross Berman LLC – Rockville, MD *Feb 2025 – Present*
- Developed a Google Apps Script tool (**JavaScript**) that automates the generation of legal documentation and correspondence, reducing manual workload and minimizing errors to 0%
- Currently expanding the system to include automated reminders for urgent tasks and client follow-ups, streamlining office operations

Software Development Intern, EfficiencyNext – Remote *Oct 2024 – Jan 2025*
- Conducted security reviews and sanitized JavaScript input for **Microsoft .NET webpages,** reducing potential vulnerabilities and attack surfaces
- Developed a cost-tracking algorithm in **C#** for AI model usage, monitoring token consumption across different models and terminating automatically upon exceeding monthly budgets
- Extended the functionality of a webpage to process not only PDF documents but also Word files, leveraging the WordprocessingDocument library for seamless integration

Teaching Assistant, UMD Department of Computer Science – College Park, MD *Jan 2024 – May 2024*
- Helped students understand **Object-Oriented Programming**
- Held weekly office hours, helping students understand concepts and write efficient **Java** and **C** programs

Data Science Intern, National Institute of Health – Bethesda, MD *June 2023 – Aug 2023*
- Developed an automated pipeline in **Bash** for downstream analysis of sequencing data, improving the efficiency and reliability of sequencing analysis for future research efforts
- Implemented a **Python** script to ensure data quality by applying filtering criteria, and an **R** script to convert Ensemble gene IDs to gene symbols, improving the pipeline's functionality
- Presented research and development process to researchers at the NIH on a scientific poster

PROJECTS

Age Guesser Game App
- Designed and developed an interactive mobile application using **Kotlin**, Android Studio, and **XML** following the **Model-View-Controller** architecture
- Integrated persistent local data storage with **SharedPreferences** to track and display high scores dynamically

Weather App
- Developed a responsive web application using **JavaScript/HTML/CSS** to display current weather information for any city
- Utilized the **OpenWeatherMap API** to fetch and display real-time weather data, including temperature, humidity, and weather conditions

Sudoku Solver
- Developed a **Python** script to solve 9x9 Sudoku puzzles efficiently
- Implemented a backtracking algorithm to systematically scan and fill all empty spaces on the board with the correct numbers to complete the puzzle

SKILLS

Coding Languages
- Java, Kotlin, Android XML, Python, JavaScript/HTML/CSS, SQL, C, C++, C#, MATLAB, Rust, R, Node.js, MongoDB, React

Environments and Practices
- Visual Studio, Android Studio, Microsoft.NET, Jupyter Notebook, Eclipse, R-Studio, GitHub, Git, Docker