

Raffy Jalal

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EDUCATION

Drexel University

Bachelor of Science in Computer Science (BSCS)

Minor in Data Science, Pennoni Honors Student

Major Concentrations: Artificial Intelligence & Machine Learning, Computer Systems & Architecture

Philadelphia, PA

Sept. 2022 – Jun. 2027

TECHNICAL SKILLS

Programming Languages: C#, Python, Golang, JavaScript, TypeScript, Swift, Java, SQL, C

Technologies/Frameworks: ASP.NET Core, Blazor, Entity Framework Core, FastAPI, TensorFlow, Streamlit, React (JS/Native), NodeJS, REST APIs, PL/SQL, MongoDB, SwiftUI, Vision Framework, Plotly, HTML, CSS, Bash, Firebase

Development Tools: Azure DevOps, Git, GitHub, TFS, Visual Studio, Visual Studio Code, IntelliJ IDEA, PyCharm, Xcode, Postman, Linux, Android Studio

WORK EXPERIENCE

Software Developer

Holman Auto

Sept. 2024 – Mar. 2025

Remote

- Engineered 3+ full-stack applications using **C#, .NET, Blazor**, and **PL/SQL**, automating workflows that reduced manual supply chain data entry by **70%**.
- Designed a reusable EmailAddress model with **Entity Framework Core**, cutting user contact validation errors by **60%** and improving long-term data consistency.
- Developed a secure file upload system handling **10,000+ monthly documents**, increasing documentation compliance audit pass rates by **40%** and cutting upload time by **80%**.
- Built and deployed an AI-powered vehicle damage estimator using **ML.NET** and computer vision, providing real-time repair estimates in under **2 seconds**, which accelerated claims processing by **3x**.
- Participated in daily **Agile** stand-ups and utilized **Azure DevOps** for task tracking, version control, and CI/CD delivery across **5+** cross-functional teams, contributing to a **100% sprint completion rate**.

Specialist

Apple

Jul. 2025 – Present

Philadelphia, PA

- Deliver personalized product guidance and technical support across the Apple ecosystem, driving customer satisfaction and supporting daily sales goals in a high-volume retail environment.
- Troubleshoot and resolve issues on iPhones, iPads, and MacBooks with a **100% success rate** since onboarding, ensuring seamless device setup, data transfer, and post-purchase support.

TECHNICAL PROJECTS

AI Vehicle Damage Estimator | *Python, TensorFlow, FastAPI, Streamlit*

- Developed an end-to-end ML solution to classify vehicle damage severity using a **TensorFlow CNN**, achieving **85%+ accuracy** on a dataset of 5,000+ labeled collision images.
- Built a **FastAPI** backend and **Streamlit** frontend to deliver real-time predictions and estimated repair costs in under **2 seconds per image**.
- Designed the platform to assist insurance adjusters and auto-repair shops, reducing manual review time by **70%** and enabling faster claims processing.

Sneaker Market Intelligence Platform | *Golang, MongoDB, TensorFlow, React.js, Plotly*

- Architected a sneaker analytics platform with a **Golang** backend and **MongoDB**, supporting real-time tracking of 100+ sneaker releases across major resale marketplaces.
- Implemented a **TensorFlow** image classification model with **90%+ accuracy** to identify sneaker models from user-submitted photos and marketplace scrapes.
- Automated price scraping every **10 minutes**, enabling dynamic trend analysis and arbitrage detection via interactive **Plotly** dashboards in a **React.js** frontend.

Digital Smart Photo Frame (iPad App) | *SwiftUI, Vision Framework, CoreMotion*

- Developed a native iPad application in **SwiftUI** to render curated slideshows from **20,000+ photos**, optimized for continuous background display.
- Integrated **Apple's Vision Framework** for on-device face detection and event filtering, reducing duplicate or low-quality photos by over **75%**.
- Leveraged **CoreMotion** to trigger auto-sleep and wake behavior based on physical movement, reducing unnecessary screen usage by an estimated **40%**.