JOSHUA PIÑA

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PROFESSIONAL SUMMARY

Data Scientist with Secret Clearance and 8+ years combined experience in program management, military healthcare, and operations leadership. Managed data systems for military personnel tracking and supporting command-level logistics decisions. Skilled in ML, data analytics, and visualization, ready to deliver impactful solutions. Expert in government contracting training with focus on enhancing program efficacy through data-driven insights. Upon completion of B.S. in Data Science, pursuing Graduate Certificate in Business Analytics and Masters in Analytics at Georgia Tech.

TECHNICAL SKILLS

Programming & Cloud: Python, Pandas, R, PostgreSQL, Supabase, MongoDB, Git, Vue + Vite, AWS
Machine Learning & Big Data: PyTorch, scikit-learn, CNN, U-Net, Digital Image Processing, Computer Vision, OCR
Data Visualization & Analytics: Excel, PowerBI, Tableau, MatPlotLib, Seaborn

EXPERIENCE

Program Manager, Public Contracting Institute   **May 2022 – Present**
- Analyzed training data from 200+ webinars to identify top-performing programs to optimize training offerings
- Streamlined the company website to improve UX/UI, implementing SEO & marketing strategies to boost engagement
- Coordinated and facilitated accredited government contracting training programs

Healthcare Specialist, United States Army   **January 2017 – April 2022**
- Retrieved and compiled health record reports of over 5,000 personnel; input data into Army flagship EHR
- Excelled as an operations leader, assisting the Command Team with all logistics and operations within the unit
- Managed the treatment and evacuation of patients, as well as $100K+ in medical supplies and equipment

PROJECTS

The Primer's Living Library – Full-Stack AI-Powered Research & Study Application   **August 2025 – Present**
- Building a comprehensive study tool that allows students to master complex technical and mathematical concepts
- Constructed a detailed PostgreSQL database through Supabase to utilize OAuth and Row Level Security (RLS)
- Utilized FastAPI and Postgres-based vector embeddings for semantic searching of 55+ textbooks to create curated study plans

Machine Learning Study on Head and Neck Squamous Cell Carcinoma   **June – August 2025**
- Led an interdisciplinary student research team in a multi-modal ML capstone project where we worked to clean, classify, and segment unlabeled axial CT scans utilizing logistic regression, CNN, and U-Net
- Implemented batching and runtime optimization to reduce a folder with >90,000 images from 6GB to <500MB, improving training efficiency and reducing load times
- Benchmarked multiple regression models and applied model evaluation techniques (ROC-AUC, Precision/Recall) to predict optimal radiotherapy dosages, improving model accuracy by 12% for treatment strategy

EDUCATION

Bachelor of Science, Data Science *Georgia State University*   **December 2025**
- Relevant Coursework: Machine Learning, Data Mining, Big Data Programming, Ethics in Data Science

Associate of Science, Health Sciences *Columbus State University*

December 2018

CERTIFICATIONS

AWS Solutions Architect – Associate	**December 2025**
IBM Data Analyst Professional Certificate	**August 2025**
CodePath Intermediate Technical Interview Prep Course (Advanced Track)	**June - August 2025**

ORGANIZATIONS

FourBlock Veteran Career Readiness Cohort	**September - December 2025**
CodePath, Mentor	**September 2025 – Present**
CodePath, Alumni	**July 2025 – Present**
ColorStack, Member	**July 2025 - Present**