

# 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, 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, MongoDB, Git, Vue + Vite, Azure, AWS

**Machine Learning & Big Data:** PyTorch, scikit-learn, CNN, U-Net, Digital Image Processing, Computer Vision

**Data Visualization & Analytics:** Excel, PowerBI, Tableau, ETL, 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

**Project 1001 – Single Blind Linguistic Study**

**August – Present**

- Conducting a 30-day study on education level vs. vocabulary recognition in normal conversation; OCR-extracted terms from *1001 Words for Success* randomized in Python and structured for future predictive modeling

**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

**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, Alumni**

**August 2025 - Present**

**ColorStack, Member**

**July 2025 - Present**

**National Society of Black Engineers, Member**

**June 2025 - Present**