**Name**

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**PROFESSIONAL SUMMARY**

Innovative AI leader with a robust background in editorial operations and over a decade of experience in senior roles within media and technology sectors, adept at bridging journalistic integrity with cutting-edge AI solutions. Demonstrated success in collaborating with cross-functional teams to develop scalable, AI-driven editorial workflows and consumer products, leveraging expertise in machine learning applications and data analysis. Skilled in communicating complex AI concepts to diverse audiences and advocating for ethical AI practices, with a proven track record of implementing solutions that enhance operational efficiency and product development. Advanced academic credentials in Information Science and Computer Science, coupled with hands-on experience in AI technologies, position me as a strategic asset for driving AI innovation in editorial contexts.

**EXPERIENCE**

**XXX Lab, University XXX** XXX, PA

**Software Developer - Volunteer (Spark, Elastic MapReduce, Parquet, Data Pipeline)** July 2024 – Aug 2024

Developed scalable data pipelines and interfaces, enhancing data processing for large datasets.

• Designed a secure pipeline processing 1TB of ?? medical data using AWS, improving query efficiency significantly.

• Leveraged Spark for ETL to process gigabytes in minutes, optimizing performance and reducing costs by ?? %.

• Integrated AWS QuickSight with NextJS for user-friendly data insights, reducing operational costs by ?? %.

**Department of XXX, University XXX** XXX, PA

**Software Developer (Node.JS, Python-Django, NextJS)** Jun 2023 – Feb 2024

Led development of Alexa skills and web applications, enhancing patient-caregiver connectivity.

• Developed Alexa skill for assessments, integrating with Django for seamless patient-caregiver interaction by ?? %.

• Crafted Alexa skill using AWS Lambda, optimizing execution and tracking statuses with DynamoDB by ?? %.

• Implemented JWT authentication in Django API, enhancing security and reducing unauthorized access by ?? %.

• Developed data visualization with Next.js, deploying via AWS Amplify for a streamlined CI/CD pipeline by ?? %.

• Produced video tutorials for development processes, improving onboarding efficiency for new team members by ?? %.

**国内某科技小公司** XXX, China

**Computer Vision Algorithm R&D Intern (Python, C++, Shell Script)** Oct 2021 – Mar 2022

Enhanced object detection and testing environments for robotics projects, improving accuracy.

• Fine-tuned YOLO models for inspection robots, boosting detection accuracy and reliability by ?? %.

• Generated 10,000 datasets from 200 using Blender, enhancing YOLO model training and performance by ?? %.

• Developed tools for Gazebo environments, facilitating comprehensive testing for solar panel robots by ?? %.

• Automated testing setup, reducing preparation time from hours to ?? minutes, streamlining workflows.

• Collaborated with teams to ?? integrate robotic systems, documenting processes for ongoing projects.

**EDUCATION**

**University XXXX** XXX, PA

**Master XXX Information Science** Aug 2022 - May 2024

• GPA 3.95/4.0, demonstrating strong academic performance

• Coursework in Cloud Computing and Network Science, emphasizing data analysis and AI technologies

• Immersive Media Applications project focused on AI-driven solutions for media contexts

**University XXX (QS TOP 20)** XXX, Australia

**Bachelor of Science (Honors) in Computer Science & Eng** Mar 2017 - Nov 2021

• Coursework in Applied AI, Deep Learning, and Advanced Topics in Statistical Machine Learning, aligning with AI technologies and data science

• Data Mining project focused on consumer product development using machine learning applications

• Experience with AI tools and methodologies relevant to media and editorial contexts

**SKILLS**

**TECHNICAL**

AI technologies, Data analysis, Machine learning applications, Consumer product development, Python, Data Science, Go, AWS, Docker, MySQL, MongoDB

**SOFT**

Leadership, Strategic mindset, Cross-functional collaboration, Communication of complex concepts, Advocacy for AI ethics, Decision-making, Organization

**OTHER**

Editorial operations, Collaboration with product and technological teams, Experience in media and editorial context, Proven track record in senior-level editorial roles

**PROJECTS**

**Serverless Document Processing System** Time Period

• Collaborated with product and technological teams to design and deliver a serverless full-stack system using AWS services (Lambda, S3, EC2, DynamoDB, API Gateway) and ReactJS, with TypeScript and AWS CDK for infrastructure as code, enhancing editorial workflows.

• Implemented DynamoDB-triggered Lambda functions for automated EC2 instance provisioning and script execution, achieving a seamless file processing workflow with cost-efficient cleanup, while adhering to AWS security best practices, demonstrating leadership in AI-driven solutions.

**Camping Advisor Portal** Time Period

• Integrated VisualCrossing Weather API for 15-day weather predictions and Google Maps API for proximity-based campsite discovery, showcasing consumer product development skills.

• Leveraged Neo4j Graph Database for data persistence, and employed ExpressJS (Elastic Beanstalk) along with D3JS (Glitch) for presenting optimal meteor shower spots, assessing sunrise and sunset vistas, and offering guidance on umbrella necessity, demonstrating data analysis and machine learning applications.

**Accommodation Website** Time Period

• Developed an Airbnb-like housing app using React, Django, and PostgreSQL, achieving the top 10% ranking in class for its user-friendly design and fake comment detection features, illustrating consumer product development and data analysis capabilities.

**E-commerce Website** Time Period

• Developed a functional lightweight e-commerce website using the MERN stack (MongoDB, Express.js, React, Node.js), focusing on foundational full-stack development practices and scalable design, aligning with consumer product development in a media context.

**Clinical Reminder Backend** Time Period

• Analyzed consultation system needs and developed the clinic reminder system's backend in just three days using Spring Boot, Spring MVC, and Spring Data JPA. It features RESTful APIs that allow doctors to manage patient information and send reminders, demonstrating leadership and decision-making skills.

**Unity(C#) Game Development** Time Period

• Led a team to win the XXX Award at XXX Game Jam with a Unity-built game, and independently developed and released a 3D adventure game on itch.io, showcasing leadership and cross-functional collaboration skills.