Name

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PROFESSIONAL SUMMARY

With over a decade of experience in senior-level editorial roles within media and technology organizations, consistently bridge the gap between journalistic principles and AI solutions. Demonstrated expertise in AI technologies, data analysis, and machine learning applications, having developed scalable data-sharing pipelines and advanced security features that enhance editorial workflows. Proven track record of collaborating with cross-functional teams to develop consumer-facing products and advocate for responsible AI usage. Hold a Master’s degree in Information Science and possess a strategic mindset, adept at communicating complex AI concepts to non-technical stakeholders.

EXPERIENCE

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

| July 2024 – Aug 2024

Designed scalable data pipelines using AWS to process large datasets, enhancing data sharing and cost efficiency.

* Implemented a secure data pipeline processing 1TB using AWS, boosting query efficiency for medical data by ?? %.
* Optimized ETL with Spark, processing gigabytes in minutes and querying terabytes in seconds, cutting costs by ?? %.
* Integrated AWS QuickSight and NextJS, creating a user-friendly interface that reduced operational costs by ?? %.

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

| Jun 2023 – Feb 2024

Developed Alexa skills and web apps to connect patients with caregivers, enhancing home medical resource access.

* Designed Alexa skill in Node.js, leveraging AWS Lambda for efficient execution, enhancing patient-caregiver connectivity by ?? %.
* Implemented JWT authentication in Django API, securing the system with token blacklisting and Nginx proxy by ?? %.
* Created data visualization features 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**

| Oct 2021 – Mar 2022

Enhanced YOLO models for robotic inspection, improving object detection accuracy and reliability in server rooms.

* Fine-tuned YOLO models, boosting object detection accuracy for server room robots with ?? % reliability.
* Generated 10,000+ datasets from 200 using Blender, significantly improving YOLO model training performance by ?? %.
* Developed Gazebo environments for solar panel robots, reducing testing setup time from hours to ?? minutes.
* Collaborated with teams for seamless robotic system integration, documenting processes for future projects by ?? %.

EDUCATION

**University XXXX, XXX, PA**

Master XXX Information Science (GPA 3.95/4.0) | Aug 2022 - May 2024

* Developed AI-driven solutions in coursework, focusing on practical applications in media contexts
* Coursework in Network Science and Cloud Computing emphasized cross-functional collaboration and data analysis
* Immersive Media Applications project involved collaboration with technological teams to enhance editorial workflows

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

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

* Specialized in Applied AI and Deep Learning with projects focused on media and editorial applications
* Advanced Topics in Statistical Machine Learning provided a strong foundation in AI technologies and data analysis
* Data Mining coursework included consumer product development in a media context

SKILLS

**TECHNICAL**

* AI technologies
* Data analysis
* Machine learning applications
* Consumer product development
* Python
* Java
* AWS (DynamoDB, Lambda, RDS, EC2)
* Docker
* Hadoop

**SOFT**

* Leadership
* Strategic mindset
* Cross-functional collaboration
* Communication of complex concepts
* Advocacy for AI ethics

**OTHER**

* Editorial operations
* Collaboration with product and technological teams
* Data Science
* Journalism

PROJECTS

**Serverless Document Processing System | Time Period**

* Designed and delivered 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 through automation.
* 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 cross-functional collaboration and consumer product development.
* 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, highlighting data analysis and visualization skills.

**Accommodation Website | Time Period**

* Developed an Airbnb-like housing app using React, Django, and PostgreSQL, achieving the top 10% ranking in our class for its user-friendly design and fake comment detection features, demonstrating practical application of AI technologies in consumer products.

**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, illustrating strategic mindset and technical leadership.

**Clinical Reminder Backend | Time Period**

* After analyzing consultation system needs, developed the clinic reminder system's backend in just three days using Spring Boot, Spring MVC, and Spring Data JPA, featuring RESTful APIs that allow doctors to manage patient information and send reminders, showcasing rapid decision-making and cross-functional collaboration.

**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, demonstrating leadership, innovation, and the ability to communicate complex concepts through interactive media.