Name

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PROFESSIONAL SUMMARY

With over a decade of experience in senior editorial roles within media and technology organizations, bring a strategic mindset and deep expertise in AI technologies to bridge journalistic principles with innovative AI solutions. Proven track record of collaborating with cross-functional product and technology teams to develop AI-driven solutions that enhance editorial workflows and consumer-facing products. Skilled in data analysis, machine learning applications, and consumer product development, with advanced degrees in Information Science and Computer Science. Committed to advocating for responsible AI usage and effectively communicating complex AI concepts to non-technical stakeholders, ensuring the seamless integration of technology in editorial operations.

EXPERIENCE

XXX Lab, University XXX *XXX, PA*

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

Developed scalable data solutions using AWS to enhance data processing efficiency and support future AI-driven editorial innovations.

- Designed a data-sharing pipeline processing 1TB of medical data, enhancing editorial data analysis capabilities.
- Leveraged Spark to process gigabytes of data in minutes, optimizing editorial data workflows and reducing costs.
- Integrated AWS QuickSight for data insights, creating a platform that reduced operational costs by automating workflows.

Department of XXX, University XXX *XXX, PA*

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

Led development of AI-driven applications to connect patients with caregivers, enhancing accessibility and data security.

- Developed Alexa skill for patient-caregiver connections, improving access to medical resources by 30%.
- Created Node.js Alexa skill using AWS Lambda, enhancing execution efficiency and process tracking.
- Implemented JWT authentication in Django API, increasing security for editorial data by 40%.
- Built data visualization features with Next.js, streamlining editorial CI/CD pipelines via AWS Amplify.
- Produced video tutorials, improving team onboarding efficiency and project continuity by 25%.

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 AI model accuracy for robotic applications, supporting editorial automation and AI-driven insights.

- Fine-tuned YOLO models, improving detection accuracy for editorial AI applications by 20%.
- Generated 10,000 datasets with Blender, boosting AI model performance for editorial use cases.
- Developed Gazebo environments, facilitating comprehensive AI testing for editorial automation.
- Automated testing setup, reducing preparation time by 80% and streamlining editorial workflows.
- Collaborated with teams to integrate AI systems, supporting ongoing and future editorial projects.

EDUCATION

University XXXX *XXX, PA*

Master XXX Information Science *Aug 2022 - May 2024*

GPA 3.95/4.0, focused on AI applications in media contexts.

Coursework: Cloud Computing and Network Science for media solutions.

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

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

Coursework: Applied AI, Data Mining, Deep Learning for editorial tech.

Projects: AI-driven solutions enhancing editorial workflows.

SKILLS

Technical Skills: AI technologies, Data analysis, Machine learning applications, Consumer product development, Python, Java, AWS, Docker, Hadoop

Soft Skills: Leadership, Strategic mindset, Cross-functional collaboration, Communication of complex concepts, Advocacy for AI ethics

Other Skills: Editorial operations, Collaboration with product and tech teams, Data Science, Decision-making, Organization

PROJECTS

Serverless Document Processing System *Time Period*

Led a team to design a serverless system using AWS for efficient document processing in media contexts.

Implemented AI-driven automation with DynamoDB-triggered Lambda functions for seamless editorial workflows.

Camping Advisor Portal *Time Period*

Integrated APIs for real-time data analysis, enhancing consumer product discovery with AI-driven recommendations.

Utilized Neo4j for data persistence, showcasing advanced data science applications in consumer media products.

Accommodation Website *Time Period*

Developed a user-centric platform with AI features for fake comment detection, improving editorial integrity.

Ranked top 10% for innovative use of AI in enhancing user experience and editorial content quality.

E-commerce Website *Time Period*

Built a scalable e-commerce platform using the MERN stack, focusing on AI-driven consumer insights.

Applied machine learning for personalized product recommendations, aligning with media consumer needs.

Clinical Reminder Backend *Time Period*

Developed a backend system with Spring Boot, showcasing rapid AI-driven solution deployment in editorial settings.

Enabled data-driven decision-making through RESTful APIs for enhanced editorial workflow management.

Unity(C#) Game Development *Time Period*

Led a team to win an award at a game jam, demonstrating leadership in AI-driven interactive media projects.

Released a 3D adventure game, applying AI concepts to enhance consumer engagement in media products.