

Name

P: +1(000) 000-0000 | 1234@gmail.com | LinkedIn Link | Github Link

PROFESSIONAL SUMMARY

Innovative and strategic AI leader with a robust background in editorial operations and AI technologies, offering over a decade of experience in senior-level editorial roles within media and technology organizations. Proven track record in collaborating with product and technology teams to develop AI-driven solutions that enhance editorial workflows and consumer-facing products, evidenced by the successful design and implementation of scalable data-sharing pipelines and advanced security features. Adept at communicating complex AI concepts to non-technical stakeholders, with a strong commitment to advocating for responsible AI usage. Holds a Master's in Information Science with expertise in machine learning applications, data analysis, and consumer product development, making a significant impact on editorial operations through the integration of cutting-edge AI technologies.

EXPERIENCE

XXX Lab, University XXXXXX, PA

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

Developed scalable data solutions using AWS, enhancing data processing efficiency and enabling future AI-driven innovations.

- Implemented a secure data pipeline processing 1TB data, boosting efficiency for medical data analysis.
- Optimized Spark ETL processes, reducing data processing time to minutes and enhancing query speed.
- Integrated AWS QuickSight with NextJS, reducing operational costs and enhancing data insights.

Department of XXX, University XXXXXX, PA

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

Led development of AI-driven applications, enhancing patient-caregiver interactions and ensuring secure data handling.

- Developed Alexa skill for patient-caregiver connection, enhancing home medical resource access.
- Utilized AWS Lambda for efficient Alexa skill execution, improving process tracking with DynamoDB.
- Enhanced Django API security with JWT, ensuring robust authentication and data protection.
- Built data visualization features with Next.js, streamlining CI/CD via AWS Amplify integration.
- Created video tutorials for onboarding, improving team efficiency and project development continuity.

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 computer vision models for robotics, improving object detection and facilitating comprehensive testing environments.

- Enhanced YOLO models for robots, boosting object detection accuracy and reliability.
- Generated 10,000+ datasets with Blender, improving YOLO model training and performance.
- Developed Gazebo environments for solar robots, enabling comprehensive simulation testing.
- Automated testing setup, reducing preparation time from hours to minutes, streamlining workflow.
- Collaborated cross-functionally, ensuring seamless robotic integration and supporting future projects.

EDUCATION

University XXXXXXX, PA

GPA 3.95/4.0, showcasing academic excellence in advanced tech applications.
Coursework in Cloud Computing and Network Science, emphasizing AI in media contexts.

University XXX

XXX, Australia

Bachelor of Science (Honors) in Computer Science & Eng

Mar 2017 - Nov 2021

Studied Applied AI and Data Mining, focusing on AI solutions for editorial workflows.
Deep Learning and Statistical Machine Learning courses, aligning with AI-driven media innovations.

SKILLS

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

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

Other Skills: Editorial operations, Collaboration with product teams, Decision-making, Organization

PROJECTS

Serverless Document Processing System

??

Engineered a serverless system with AWS to streamline editorial workflows, enhancing efficiency in media contexts.

Automated EC2 provisioning with DynamoDB-triggered Lambdas, optimizing file processing and adhering to security best practices.

Camping Advisor Portal

??

Integrated APIs for weather and location data, enhancing consumer product development with real-time insights.

Utilized Neo4j for data persistence, showcasing data analysis skills in presenting optimal meteor shower viewing spots.

Accommodation Website

??

Developed a React and Django housing app, ranking in top 10% for design and AI-driven fake comment detection.

Showcased strategic consumer product development and AI application in enhancing user experience.

E-commerce Website

??

Built a scalable e-commerce platform with MERN stack, focusing on foundational full-stack practices.

Demonstrated cross-functional collaboration and strategic design in consumer product development.

Clinical Reminder Backend

??

Developed a backend system in 3 days using Spring Boot, enabling efficient patient management and reminders.

Implemented RESTful APIs, enhancing data analysis and operational efficiency in healthcare settings.

Unity(C#) Game Development

??

Led a team to win an award at Game Jam, showcasing leadership and strategic mindset in game development.

Released a 3D game on itch.io, demonstrating AI-driven solutions and consumer engagement strategies.