Name

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PROFESSIONAL SUMMARY

Innovative AI leader with a robust background in editorial operations and technology, bringing over a decade of experience in senior-level roles within media organizations. Proven track record in collaborating with product and tech teams to develop AI-driven solutions that optimize editorial workflows and enhance consumer products. Strong advocate for ethical AI usage, possessing advanced skills in data analysis, machine learning applications, and consumer product development. Equipped with a strategic mindset and exceptional ability to communicate complex AI concepts to diverse stakeholders, leveraging a Master's degree in Information Science to bridge journalistic principles with cutting-edge AI technologies.

EXPERIENCE

XXX Lab, University XXX   *XXX, PA*

Software Developer - Volunteer   *July 2024 – Aug 2024*

- Designed and implemented a scalable data-sharing pipeline using AWS technologies, enhancing data processing efficiency and supporting large-scale data analysis crucial for editorial contexts.
- Leveraged Spark for ETL processes, enabling rapid data processing and querying, which is essential for developing AI-driven solutions in media settings.
- Integrated AWS QuickSight with a NextJS front-end to create a user-friendly interface for data interaction, facilitating consumer product development and editorial insights.

Department of XXX, University XXX   *XXX, PA*

Software Developer   *Jun 2023 – Feb 2024*

- Developed an Alexa skill for physical assessments integrated with a Django and NextJS-based web application, showcasing the ability to create consumer-facing products using AI technologies.
- Implemented advanced security features in a Django Restful API, ensuring robust data protection and compliance, critical for editorial operations.
- Produced comprehensive video tutorials to facilitate team onboarding and project continuity, demonstrating leadership and effective communication of complex concepts.

国内某科技小公司   *XXX, China*

Computer Vision Algorithm R&D Intern   *Oct 2021 – Mar 2022*

- Fine-tuned YOLO models for enhanced object detection, contributing to AI-driven solutions applicable in media and editorial contexts.
- Generated extensive datasets using Blender, significantly improving machine learning model training processes, essential for data analysis and AI applications.
- Collaborated with cross-functional teams to ensure seamless integration of robotic systems, highlighting strong cross-functional collaboration skills.

EDUCATION

University XXXX   *XXX, PA*

Master XXX Information Science   *Aug 2022 - May 2024*

GPA 3.95/4.0

Coursework focused on Cloud Computing and Network Science, emphasizing the development of AI-driven solutions and their applications in media contexts

Projects included the design of immersive media applications utilizing advanced AI technologies

University XXX (QS TOP 20) *XXX, Australia*
Bachelor of Science (Honors) in Computer Science & Eng *Mar 2017 - Nov 2021*

Coursework in Applied AI, Data Mining, and Deep Learning, providing a strong foundation in AI technologies and machine learning applications relevant to media

Advanced Topics in Statistical Machine Learning, focusing on data analysis and consumer product development

Capstone project involved developing AI solutions to enhance editorial workflows and consumer-facing products

SKILLS

Technical Skills: AI technologies, Data Science, Data Analysis, Machine Learning Applications, Consumer Product Development, Python, Java, AWS

Soft Skills: Leadership, Strategic Mindset, Cross-functional Collaboration, Communication of Complex Concepts, Decision-making, Organization

Other Skills: Editorial Operations, Advocacy for AI Ethics, Collaboration with Product Teams, AI-driven Solutions Development

PROJECTS

Serverless Document Processing System

Collaborated with cross-functional product and technology 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, aligning with advanced technology applications in media contexts.

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

Integrated VisualCrossing Weather API and Google Maps API to provide data-driven insights for campsite discovery, showcasing consumer product development skills in a media and editorial context.

Utilized Neo4j Graph Database and ExpressJS to present optimal meteor shower spots and assess sunrise and sunset vistas, reflecting a strong understanding of data analysis and machine learning applications.

Accommodation Website

Developed an Airbnb-like housing app using React, Django, and PostgreSQL, achieving top 10% ranking for its user-friendly design and advanced fake comment detection features, highlighting experience in consumer product development and AI technologies.

E-commerce Website

Developed a lightweight e-commerce website using the MERN stack (MongoDB, Express.js, React, Node.js), focusing on scalable design and foundational full-stack development practices, emphasizing cross-functional collaboration and strategic mindset.

Clinical Reminder Backend

Developed the clinic reminder system's backend in three days using Spring Boot, Spring MVC, and Spring Data JPA, featuring RESTful APIs for patient information management and reminders, demonstrating leadership and decision-making in AI-driven solutions.

Unity(C#) Game Development

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, showcasing leadership skills and the ability to communicate complex concepts in a creative context.