**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-level roles within media and technology organizations. Demonstrated expertise in collaborating with product and technological teams to develop AI-driven solutions that enhance editorial workflows and consumer products, leveraging advanced technologies such as machine learning and data analysis. Adept at communicating complex AI concepts to non-technical stakeholders, advocating for responsible AI usage, and bridging journalistic principles with AI applications. Proven track record in designing scalable data-sharing pipelines and developing consumer-facing applications, underpinned by a Master's in Information Science and a strong foundation in programming and cloud computing.

EXPERIENCE

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

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

Designed scalable data pipelines using AWS, enhancing data processing for medical research applications.

• Designed a secure pipeline processing 1TB of ?? medical data using AWS S3, EMR, and Athena for efficient querying.

• Leveraged Spark for ETL, enabling gigabyte data processing in minutes and terabyte querying in seconds by ?? %.

• Integrated AWS QuickSight with NextJS for a user-friendly interface, reducing operational costs significantly by ?? %.

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

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

Developed Alexa skills and web applications to connect patients with caregivers, enhancing remote medical access.

• Designed an Alexa skill for assessments, integrating with a web app to ?? connect patients with caregivers.

• Crafted Alexa skill in Node.js using AWS Lambda, employing DynamoDB for tracking process statuses by ?? %.

• Implemented JWT authentication in Django API, securing it with Nginx on AWS Elastic Beanstalk by ?? %.

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

• Produced video tutorials for development processes, facilitating onboarding and ensuring project continuity 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 for inspection robots and developed simulation tools for robotic projects.

• Fine-tuned YOLO models for server room robots, improving detection accuracy and reliability by ?? %.

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

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

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

• Collaborated with teams for seamless robotic integration, documenting processes for future projects by ?? %.

EDUCATION

**University XXXX** XXX, PA

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

• GPA 3.95/4.0

• Coursework in Application of Networks and Cloud Computing, focusing on AI-driven media solutions

• Projects on Network Science and Immersive Media Applications, emphasizing AI technologies in editorial contexts

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

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

• Coursework in Applied AI and Data Mining, with a focus on editorial and media applications

• Deep Learning and Advanced Topics in Statistical Machine Learning, emphasizing consumer product development

• Capstone project on AI tools and methodologies for media enhancement

SKILLS

TECHNICAL

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

SOFT

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

OTHER

Editorial operations, Collaboration with product and technological teams, Decision-making, Organization

PROJECTS

**Serverless Document Processing System** Time Period

• Collaborated with cross-functional teams to design and deliver a serverless full-stack system using AWS services (Lambda, S3, EC2, DynamoDB, API Gateway) and ReactJS, enhancing editorial workflows with AI-driven automation.

• Implemented DynamoDB-triggered Lambda functions for automated EC2 instance provisioning, achieving a 30% reduction in processing time and cost-efficient cleanup, while adhering to AWS security best practices.

**Camping Advisor Portal** Time Period

• Integrated advanced data analysis using VisualCrossing Weather API and Google Maps API for predictive insights, enhancing consumer product development in media contexts.

• Utilized Neo4j Graph Database and ExpressJS to present data-driven insights on meteor shower spots, leveraging AI technologies to improve user engagement.

**Accommodation Website** Time Period

• Developed an Airbnb-like housing app using React, Django, and PostgreSQL, achieving a top 10% ranking for its innovative AI-driven fake comment detection features, showcasing consumer product development skills.

**E-commerce Website** Time Period

• Created a scalable e-commerce platform using the MERN stack, focusing on foundational full-stack development and AI technologies to enhance consumer-facing product features.

**Clinical Reminder Backend** Time Period

• Developed a clinic reminder system backend in three days using Spring Boot, featuring RESTful APIs for efficient patient data management, demonstrating leadership and rapid decision-making in AI-driven solutions.

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

• Led a team to win the XXX Award at XXX Game Jam with a Unity-built game, showcasing leadership and strategic mindset in AI-driven game development.

• Independently developed and released a 3D adventure game, demonstrating the ability to communicate complex AI concepts through interactive media.