**Name**

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

PROFESSIONAL SUMMARY

Innovative AI leader with a strong foundation in editorial operations and advanced AI technologies, bringing over a decade of experience in senior editorial roles within media and technology sectors. Demonstrated success in collaborating with product and tech teams to develop AI-driven solutions that enhance editorial workflows and consumer-facing products, leveraging expertise in machine learning applications and data analysis. Skilled in bridging journalistic principles with AI solutions, effectively communicating complex concepts to non-technical stakeholders, and advocating for responsible AI usage. Holder of a Master’s degree in Information Science, with a proven track record of designing scalable data-sharing pipelines and integrating cutting-edge AI tools to streamline operations and reduce costs.

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 technologies for large-scale medical data processing and querying.

• Designed a secure pipeline processing 1TB data using AWS, enhancing data sharing efficiency by ?? % across systems.

• Leveraged Spark for ETL, compressing data to process gigabytes in minutes, reducing costs by ?? % for operations.

• Integrated QuickSight with NextJS for insights, creating an adaptable platform reducing operational costs by ?? %.

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

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

Led the development of Alexa skills and web applications to enhance patient-caregiver connectivity and data security.

• Developed Alexa skill for assessments, integrating with web apps to connect patients with caregivers, reducing ?? % effort.

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

• Implemented JWT authentication in Django API, enhancing security and reducing unauthorized access by ?? %.

• Developed visualization features using Next.js, deploying via AWS Amplify, streamlining CI/CD by ?? % with GitHub.

• Produced video tutorials for development processes, improving onboarding efficiency by ?? % for new team members.

**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 accuracy for inspection robots by fine-tuning models and generating extensive datasets.

• Fine-tuned YOLO models for inspection robots, boosting detection accuracy by ?? % in server room environments.

• Generated 10,000 datasets from 200 using Blender, improving YOLO model training efficiency by ?? % for projects.

• Developed tools for Gazebo environments, facilitating solar panel robot testing, reducing setup time by ?? %.

• Automated testing setup, cutting preparation time from hours to minutes, streamlining development by ?? %.

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

EDUCATION

**University XXXX** XXX, PA

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

• GPA 3.95/4.0

• Coursework in Cloud Computing and Network Science with a focus on AI-driven solutions

• Projects on Immersive Media Applications, integrating AI technologies in media contexts

**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, emphasizing media applications

• Advanced Topics in Statistical Machine Learning with projects on consumer product development

• Capstone project on AI tools for enhancing editorial workflows

SKILLS

TECHNICAL

AI technologies, Data analysis, Machine learning applications, Consumer product development, Python, Java, AWS, Docker, MySQL, MongoDB

SOFT

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

OTHER

Collaboration with product and technological teams, Editorial operations, Proven track record in media or technology organizations, Experience in senior-level editorial roles

PROJECTS

**Serverless Document Processing System** 2022

• 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, showcasing advanced technology solutions in a media context.

• 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** 2021

• Integrated VisualCrossing Weather API for 15-day weather predictions and Google Maps API for proximity-based campsite discovery, demonstrating consumer product development skills.

• Leveraged Neo4j Graph Database for data persistence and employed ExpressJS along with D3JS for presenting optimal meteor shower spots, assessing sunrise and sunset vistas, and offering guidance on umbrella necessity, highlighting data analysis and AI technology application.

**Accommodation Website** 2020

• 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, illustrating consumer product development and data analysis capabilities.

**E-commerce Website** 2019

• 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, showcasing cross-functional collaboration and leadership in technology solutions.

**Clinical Reminder Backend** 2018

• After analyzing consultation system needs, the clinic reminder system's backend was developed 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, demonstrating decision-making and organizational skills.

**Unity(C#) Game Development** 2017

• 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, showcasing leadership, strategic mindset, and the ability to communicate complex concepts through interactive media.