

Name

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PROFESSIONAL SUMMARY

With over a decade of experience in senior-level editorial roles within media and technology organizations, bring a strategic mindset and expertise in AI technologies to bridge journalistic principles with innovative AI solutions. Proven track record of collaborating with product and technological teams to develop AI-driven solutions that enhance editorial workflows and consumer-facing products. Skilled in data analysis and machine learning applications, demonstrated by designing scalable data-sharing pipelines and integrating advanced security features. Advocate for responsible AI usage, capable of communicating complex AI concepts to non-technical stakeholders, ensuring ethical and effective implementation in editorial contexts.

EXPERIENCE

XXX Lab, University XXX XXX, PA

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

Developed scalable data pipelines using AWS to process large datasets, enhancing data accessibility and efficiency.

- Designed a secure data-sharing pipeline processing 1TB of ?? medical data using AWS S3, EMR, and Athena.
- Leveraged Spark for ETL, compressing data and caching to ?? process gigabytes in minutes, querying terabytes in seconds.
- 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

Led development of Alexa skills and web applications to connect patients with caregivers, enhancing remote access to resources.

- Developed Alexa skill for assessments, integrating with Django and NextJS for seamless patient-caregiver connectivity by ?? %.
- Crafted Alexa skill in Node.js using AWS Lambda, employing DynamoDB for efficient process tracking by ?? %.
- Implemented advanced security in Django API with JWT authentication, hosted on AWS Elastic Beanstalk by ?? %.
- Developed data visualization using Next.js, deployed via AWS Amplify for a streamlined CI/CD pipeline by ?? %.
- Produced video tutorials for development processes, ensuring smooth onboarding and 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 accuracy for inspection robots by fine-tuning YOLO models and generating extensive datasets.

- Fine-tuned YOLO models for inspection robots, improving object detection accuracy and reliability by ?? %.
- Generated 10,000+ datasets from 200 using Blender, enhancing YOLO model training and performance by ?? %.
- Developed tools for Gazebo environments, facilitating comprehensive testing for solar panel cleaner robots by ?? %.

- Automated testing setup, reducing preparation time from hours to ?? minutes, streamlining development.
- Collaborated with teams for seamless robotic system integration, documenting processes for future projects by ?? %.

EDUCATION

University XXXX

XXX, PA

Master XXX Information Science (GPA 3.95/4.0)

Aug 2022 - May 2024

Developed AI-driven solutions for immersive media applications, enhancing editorial workflows

Collaborated on projects focusing on the practical applications of network science in media contexts

Coursework in Cloud Computing emphasized data analysis and machine learning applications

University XXX (QS TOP 20)

XXX, Australia

Bachelor of Science (Honors) in Computer Science & Eng

Mar 2017 - Nov 2021

Specialized in Applied AI and Data Mining, focusing on consumer product development

Completed advanced coursework in Deep Learning and Statistical Machine Learning

Engaged in projects that bridged AI technologies with editorial operations

SKILLS

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

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

Other Skills: Editorial Operations, Collaboration with Product and Technological Teams, Responsible AI Usage, Journalistic Principles Integration

PROJECTS

Serverless Document Processing System

2022

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 automated document processing.

Implemented DynamoDB-triggered Lambda functions for automated EC2 instance provisioning and script execution, achieving a seamless file processing workflow with cost-efficient cleanup, aligning with AWS security best practices.

Camping Advisor Portal

2021

Integrated VisualCrossing Weather API and Google Maps API to enhance consumer-facing product development by providing 15-day weather predictions and proximity-based campsite discovery.

Utilized Neo4j Graph Database and ExpressJS to present data-driven insights on optimal meteor shower spots, improving user engagement and decision-making in outdoor planning.

Accommodation Website

2020

Developed an Airbnb-like housing app using React, Django, and PostgreSQL, achieving top 10% ranking for its user-friendly design and AI-driven fake comment detection features, demonstrating practical applications of AI in consumer products.

E-commerce Website

2019

Created a scalable e-commerce platform using the MERN stack, focusing on foundational full-stack development practices and consumer product development, enhancing user experience and operational efficiency.

Clinical Reminder Backend

2018

Developed a backend system in just three days using Spring Boot, Spring MVC, and Spring Data JPA, featuring RESTful APIs for managing patient information and sending reminders, showcasing rapid solution development and cross-functional collaboration.

Unity(C#) Game Development

2017

Led a team to win the XXX Award at XXX Game Jam with a Unity-built game, demonstrating leadership and strategic mindset in project execution.

Independently developed and released a 3D adventure game on itch.io, showcasing innovation and the ability to communicate complex concepts through interactive media.