

Name

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PROFESSIONAL SUMMARY

Innovative AI leader with a robust background in editorial operations and a deep understanding of AI technologies, complemented by advanced degrees in Information Science and Computer Science. Proven track record in designing scalable data solutions and collaborating with cross-functional teams, leveraging expertise in machine learning, data analysis, and consumer product development to enhance editorial workflows. Adept at communicating complex AI concepts to diverse audiences, advocating for ethical AI usage, and driving strategic initiatives that integrate AI into media contexts. Recognized for developing secure, efficient data pipelines and solutions that process and analyze large data sets, aligning with organizational goals and advancing editorial innovation.

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 reducing operational costs, aligning with AI-driven solutions for editorial workflows.
- Leveraged Spark for ETL processes, enabling rapid data processing and querying, demonstrating strong data analysis capabilities relevant to media contexts.
- Integrated AWS QuickSight and a NextJS front-end for user-friendly data interaction, showcasing consumer product development skills.

Department of XXX, University XXX

XXX, PA

Software Developer

Jun 2023 – Feb 2024

- Developed an Alexa skill integrated with a Django and NextJS-based application, facilitating remote access to medical resources, illustrating cross-functional collaboration and AI application in consumer products.
- Implemented advanced security features within the Django Restful API, ensuring robust data protection, relevant to responsible AI usage in editorial settings.
- Produced comprehensive video tutorials for development processes, enhancing team onboarding and communication of complex concepts to non-technical stakeholders.

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 server room inspection robots, improving object detection accuracy, demonstrating machine learning application skills.
- Generated extensive datasets using Blender, enhancing model training processes, showcasing data analysis and AI technology expertise.
- Automated testing environment setup, significantly reducing preparation time and streamlining development workflows, aligning with strategic leadership and decision-making capabilities.

EDUCATION

University XXXX

XXX, PA

Master XXX Information Science

Aug 2022 - May 2024

GPA 3.95/4.0, demonstrating strong academic performance and dedication to mastering complex topics

Coursework in Cloud Computing and Network Science, emphasizing the development of AI-driven solutions and applications

Immersive Media Applications project focused on integrating AI technologies in media contexts, aligning with editorial and consumer product development

University XXX (QS TOP 20)

XXX, Australia

Bachelor of Science (Honors) in Computer Science & Eng

Mar 2017 - Nov 2021

Coursework in Applied AI and Deep Learning, providing a strong foundation in AI technologies and methodologies

Advanced Topics in Statistical Machine Learning, focusing on data analysis and machine learning applications relevant to media and editorial contexts

Data Mining project that explored consumer product development through AI, enhancing editorial workflows

SKILLS

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

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

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

PROJECTS

Serverless Document Processing System

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

Developed DynamoDB-triggered Lambda functions for automated EC2 instance provisioning and script execution, optimizing file processing workflows and ensuring cost-efficient operations while adhering to AWS security best practices.

Camping Advisor Portal

Integrated VisualCrossing Weather API and Google Maps API to provide data-driven insights for campsite discovery, leveraging AI and data analysis to enhance user experience in a consumer-facing product.

Utilized Neo4j Graph Database for data persistence and employed ExpressJS and D3JS to present complex data visually, demonstrating strong data analysis and visualization skills relevant to media contexts.

Accommodation Website

Developed an Airbnb-like housing app using React, Django, and PostgreSQL, focusing on user-friendly design and AI-driven fake comment detection, showcasing consumer product development skills.

Achieved top 10% ranking in class for innovative design and effective use of AI technologies, reflecting a strategic mindset and leadership in project execution.

E-commerce Website

Created a scalable e-commerce platform using the MERN stack, emphasizing foundational full-stack development practices and the application of AI technologies in consumer products.

Focused on scalable design and seamless integration of AI tools to enhance user experience and operational efficiency.

Clinical Reminder Backend

Developed a backend system for clinical reminders using Spring Boot, Spring MVC, and Spring Data JPA, featuring RESTful APIs for efficient data management and communication of complex concepts to non-technical stakeholders.

Completed the project in three days, demonstrating strong decision-making and organizational skills in a fast-paced environment.

Unity(C#) Game Development

Led a team to win the XXX Award at XXX Game Jam with a Unity-built game, showcasing leadership and cross-functional collaboration skills.

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