

Name

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PROFESSIONAL SUMMARY

Innovative AI Leader with a robust technical background and a strategic mindset, leveraging over a decade of experience in senior editorial roles within media and technology organizations. Proven track record in collaborating with product and technological teams, successfully implementing advanced AI technologies to enhance editorial operations and consumer product development. Expertise in data analysis and machine learning applications, demonstrated by designing a scalable data-sharing pipeline processing 1TB of medical data. Committed to advocating for responsible AI usage while aligning initiatives with organizational goals, upholding journalistic standards, and driving media innovation. Advanced degree in Information Science complements a strong foundation in AI tools and methodologies.

EXPERIENCE

XXX LAB, UNIVERSITY XXX

XXX, PA

Software Developer - Volunteer

July 2024 – Aug 2024

Designed and implemented a scalable, secure data-sharing pipeline using AWS technologies, processing 1TB of medical data, demonstrating expertise in data analysis and machine learning applications.

Leveraged Spark for ETL processes, enhancing performance and minimizing costs, aligning with consumer product development in a media context.

Integrated AWS QuickSight and a NextJS front-end to provide a user-friendly interface, showcasing the ability to develop solutions and practical applications of advanced technology.

DEPARTMENT OF XXX, UNIVERSITY XXX

XXX, PA

Software Developer

Jun 2023 – Feb 2024

Developed an Alexa skill for physical assessments, integrating with a Django and NextJS-based web application, demonstrating collaboration with technological teams.

Implemented advanced security features within the Django Restful API, showcasing strong technical skills in AI technologies and data science.

Produced comprehensive video tutorials to facilitate team onboarding, highlighting leadership and communication skills.

国内某科技小公司

XXX, China

Computer Vision Algorithm R&D Intern

Oct 2021 – Mar 2022

Fine-tuned pre-trained YOLO models for server room inspection robots, enhancing object detection accuracy, relevant to AI technologies in media.

Generated over 10,000 unique datasets using Blender, significantly improving training processes, demonstrating data analysis expertise.

Collaborated with cross-functional teams to ensure seamless integration of robotic systems, showcasing collaboration and cross-functional team leadership.

EDUCATION

UNIVERSITY XXXXXXX, PA

Master XXX Information Science (GPA 3.95/4.0) Aug 2022 - May 2024

Developed advanced AI-driven solutions in Cloud Computing and Network Science, focusing on media applications.

Led projects on Immersive Media Applications, aligning AI innovations 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

Specialized in Applied AI and Deep Learning, emphasizing machine learning applications in media contexts.

Conducted extensive research in Data Mining and Advanced Topics in Statistical Machine Learning, focusing on editorial data analysis.

SKILLS

Technical Skills: AI technologies, Data Science, Data Analysis, Machine Learning Applications, Consumer Product Development, Editorial Operations, Go, Python

Soft Skills: Leadership, Strategic Mindset, Collaboration, Communication, Advocacy for AI Ethics, Decision-making, Organization

Other Skills: Cross-functional Collaboration, Journalistic Standards and Ethics, Cloud Services (AWS), DevOps Practices

PROJECTS

SERVERLESS DOCUMENT PROCESSING SYSTEM

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, demonstrating advanced technical skills in cloud-based solutions.

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, showcasing leadership in developing scalable and secure technological solutions.

CAMPING ADVISOR PORTAL

Integrated VisualCrossing Weather API for 15-day weather predictions and Google Maps API for proximity-based campsite discovery, illustrating the application of data analysis and consumer product development in a user-centric context.

Leveraged Neo4j Graph Database for data persistence, and employed ExpressJS (Elastic Beanstalk) along with D3JS (Glitch) for presenting optimal meteor shower spots, assessing sunrise and sunset vistas, and offering guidance on umbrella necessity, highlighting innovative use of data visualization and analysis tools.

ACCOMMODATION WEBSITE

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, demonstrating strong consumer product development skills and innovative problem-solving.

E-COMMERCE WEBSITE

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 technical leadership and collaboration in product development.

CLINICAL REMINDER BACKEND

After analyzing consultation system needs, developed the clinic reminder system's backend 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 rapid solution development and effective cross-functional collaboration.

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

