SUMMARY

Innovative AI leader with a strategic mindset and extensive experience in editorial operations within media and technology sectors. Proven track record of collaborating with product and technological teams to develop AI-driven solutions, leveraging advanced technologies to enhance media workflows. Demonstrated expertise in data analysis, machine learning applications, and consumer product development, supported by a Master's in Information Science and hands-on experience with scalable data pipelines. Committed to ethical AI advocacy and aligning AI initiatives with organizational goals to drive innovation and uphold journalistic standards.

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, enhancing data processing efficiency and reducing operational costs, aligning with organizational goals for innovation.
- Leveraged Spark for ETL processes and data compression, enabling rapid data processing and querying, demonstrating a strategic mindset in optimizing performance and cost-efficiency.

Department of XXX, University XXX   *XXX, PA*

Software Developer   *Jun 2023 – Feb 2024*

- Developed an Alexa skill integrated with a Django and NextJS web application, enhancing consumer product development by connecting patients with caregivers, showcasing leadership in AI technology application.
- Implemented advanced security features in Django Restful API, ensuring data integrity and security, reflecting a commitment to responsible AI usage and ethical standards.

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 expertise in AI technologies and their implications in practical applications.
- Automated testing environment setup for robotic systems, significantly reducing preparation time and enhancing development workflow, showcasing strong organizational and cross-functional collaboration skills.

EDUCATION

University XXXX   *XXX, PA*

Master XXX Information Science   *Aug 2022 - May 2024*

Coursework in Cloud Computing and Network Science, focusing on practical applications of AI technologies in media settings

Immersive Media Applications project emphasizing AI-driven solutions for editorial workflows

GPA 3.95/4.0, demonstrating strong academic performance and understanding of advanced technology applications

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, aligning with AI integration in media workflows

Advanced Topics in Statistical Machine Learning, focusing on data analysis and machine learning applications in consumer product development

Capstone project on AI technologies and their implications in media, showcasing strategic mindset and innovation

SKILLS

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

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

Other Skills: Editorial Operations, Cross-functional Collaboration, AI Integration in Media

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, showcasing advanced technology integration.

Implemented DynamoDB-triggered Lambda functions for automated EC2 instance provisioning and script execution, achieving a seamless file processing workflow with cost-efficient cleanup, adhering to AWS security best practices, demonstrating leadership in AI-driven automation.

Camping Advisor Portal

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

Leveraged Neo4j Graph Database for data persistence, and employed ExpressJS (Elastic Beanstalk) along with D3JS for presenting optimal meteor shower spots, assessing sunrise and sunset vistas, and offering guidance on umbrella necessity, highlighting data analysis and machine learning applications.

Accommodation Website

Developed an Airbnb-like housing app using React, Django, and PostgreSQL, achieving the top 10% ranking in class for its user-friendly design and fake comment detection features, demonstrating strategic consumer product development and AI application.

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 cross-functional collaboration and technical leadership.

Clinical Reminder Backend

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, illustrating efficient decision-making and collaboration with technological teams.

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, demonstrating leadership, strategic mindset, and innovative use of AI technologies in media.