

Name

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## PROFESSIONAL SUMMARY

Innovative AI leader with a robust background in editorial operations and a strong technical foundation in data science and AI technologies, supported by a Master's in Information Science. Over a decade of experience in senior editorial roles within media and technology organizations, specializing in developing scalable data-sharing solutions and leveraging machine learning for consumer product development. Proven track record of collaborating with product and technical teams, driving strategic initiatives, and advocating for ethical AI use while upholding journalistic standards. Adept at translating complex AI concepts for diverse audiences, aligning AI initiatives with organizational goals to foster innovation in media.

## 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 supporting large-scale data analysis, aligning with AI-driven media initiatives.

Leveraged Spark for ETL processes, enabling rapid data processing and querying, which supports the development of consumer products in a media context.

DEPARTMENT OF XXX, UNIVERSITY XXX

XXX, PA

Software Developer

Jun 2023 – Feb 2024

Developed an Alexa skill integrated with a Django and NextJS-based web application, facilitating remote access to medical resources, demonstrating consumer product development and AI application skills.

Implemented advanced security features within a Django Restful API, ensuring secure data handling and compliance, crucial for maintaining ethical standards in AI-driven media solutions.

Produced comprehensive video tutorials to enhance team onboarding and project continuity, showcasing leadership and communication skills in technical environments.

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 practical AI application and data analysis skills.

Automated testing environment setup, significantly reducing preparation time and streamlining development workflows, showcasing strategic decision-making and organizational skills.

# EDUCATION

UNIVERSITY XXXXXXX, PA

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

Developed a comprehensive understanding of Cloud Computing and Network Science, essential for AI-driven media solutions

Completed a project on Immersive Media Applications, focusing on the integration of AI technologies in media contexts

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, providing a strong foundation for data analysis and machine learning applications

Engaged in Advanced Topics in Statistical Machine Learning, aligning with consumer product development in media

# SKILLS

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

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

**Other Skills:** Cross-functional Collaboration, Journalistic Standards and Ethics

# 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 applications in a scalable editorial 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 strategic decision-making and leadership in AI-driven solutions.

## **CAMPING ADVISOR PORTAL**

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

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, demonstrating innovative use of AI technologies in media contexts.

## **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, showcasing consumer product development and data analysis skills.

## **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, demonstrating the ability to align technological solutions with business goals.

## **CLINICAL REMINDER BACKEND**

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. It features RESTful APIs that allow doctors to manage patient information and send reminders, highlighting leadership in rapid solution development and 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 and strategic mindset in innovative media solutions.