

# Name

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## PROFESSIONAL SUMMARY

Strategic AI leader with a robust background in editorial operations and advanced AI technologies, bringing over a decade of senior-level experience in media and technology organizations. Expert in designing scalable data-sharing solutions and leveraging machine learning applications to enhance editorial workflows and consumer-facing products. Skilled in cross-functional collaboration, with a proven track record of developing AI-driven solutions that integrate journalistic principles with cutting-edge technology. Committed to advocating for responsible AI usage and adept at communicating complex AI concepts to non-technical stakeholders, ensuring alignment with ethical standards and strategic objectives.

## 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 supporting large-scale data analysis, crucial for editorial data-driven decision-making.
- Leveraged Spark for ETL processes and data compression, optimizing performance and reducing costs, demonstrating strong data analysis and machine learning application skills.

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, facilitating remote access to medical resources, showcasing consumer product development and cross-functional collaboration.
- Implemented advanced security features in a Django Restful API, ensuring robust data protection, aligning with responsible AI usage and ethical considerations.

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 application of AI technologies.
- Automated testing environment setup, reducing preparation time significantly, enhancing workflow efficiency and supporting AI-driven solution development.

## 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, focusing on enhancing editorial workflows  
Conducted advanced research in Network Science with applications in media technology  
Completed projects on Cloud Computing, emphasizing data analysis and machine learning applications relevant to 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 Deep Learning, focusing on consumer product development in media settings

Completed a capstone project on Data Mining with applications in editorial decision-making processes  
Studied Advanced Topics in Statistical Machine Learning, emphasizing AI technologies and their implications in media

## SKILLS

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

**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 Teams, Responsible AI Usage

## PROJECTS

### Serverless Document Processing System

Collaborated with product and technological teams to design and deliver 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, enhancing editorial workflows through advanced technology.

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 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, showcasing consumer product development skills.

Leveraged Neo4j Graph Database for data persistence, and employed ExpressJS along with D3JS for presenting optimal meteor shower spots, assessing sunrise and sunset vistas, and offering guidance on umbrella necessity, demonstrating cross-functional collaboration and data analysis capabilities.

### 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, illustrating 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, highlighting strategic mindset and technical leadership.

### Clinical Reminder Backend

Analyzed consultation system needs and 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 decision-making and rapid solution development.

### 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.