

# Name

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## PROFESSIONAL SUMMARY

Innovative AI leader with over a decade of experience in senior-level editorial roles within media and technology sectors, adept at bridging journalistic principles with AI-driven solutions. Proven track record of collaborating with product and technological teams to develop scalable, secure data-sharing pipelines and AI applications that enhance editorial workflows and consumer-facing products. Expertise in AI technologies, data analysis, and machine learning, demonstrated by designing platforms capable of processing terabytes of data efficiently. Committed to advocating for responsible AI usage, leveraging advanced degrees in Information Science and Computer Science to communicate complex concepts effectively to non-technical stakeholders and drive strategic initiatives that align with ethical AI practices.

## EXPERIENCE

XXX Lab, University XXX XXX, PA

**Software Developer - Volunteer (Spark, Elastic MapReduce, Parquet, Data Pipeline)** July 2024 – Aug 2024

*Developed scalable data-sharing pipelines using AWS, enhancing data processing efficiency for large datasets.*

- Designed a secure data pipeline processing 1TB of ?? medical data, leveraging AWS for efficient querying and analysis.
- Utilized Spark for ETL, compressing data and caching to ?? process gigabytes in minutes, optimizing cost and performance.
- Integrated AWS QuickSight with NextJS, creating a user-friendly interface that reduced operational costs significantly by ?? %.

Department of XXX, University XXX XXX, PA

**Software Developer (Node.JS, Python-Django, NextJS)** Jun 2023 – Feb 2024

*Led the development of Alexa skills and web applications, focusing on seamless integration and security features.*

- Developed Alexa skill for physical assessments, integrating with web apps to ?? connect patients with caregivers.
- Crafted Alexa skill in Node.js using AWS Lambda, employing DynamoDB for efficient process status tracking by ?? %.
- Implemented JWT authentication in Django API, enhancing security with token blacklisting capabilities by ?? %.
- Deployed data visualization features using Next.js on AWS Amplify, streamlining CI/CD with GitHub integration by ?? %.
- Produced video tutorials for development processes, improving onboarding and project continuity for new members by ?? %.

国内某科技小公司 XXX, China

**Computer Vision Algorithm R&D Intern (Python, C++, Shell Script)** Oct 2021 – Mar 2022

*Enhanced object detection models and automated testing environments for robotics projects.*

- Fine-tuned YOLO models for inspection robots, improving object detection accuracy and system reliability by ?? %.
- Generated 10,000+ datasets from 200 using Blender, boosting YOLO model training and performance by ?? %.

- Developed tools for Gazebo environments, facilitating comprehensive testing for solar panel cleaner robots by ?? %.
- Automated testing setup, reducing preparation time from hours to ?? minutes and streamlining workflows.
- Collaborated with teams to ?? integrate robotic systems, documenting processes for future project support.

## EDUCATION

**University XXXX**

XXX, PA

**Master XXX Information Science (GPA 3.95/4.0)**

Aug 2022 - May 2024

Developed AI-driven media solutions in Cloud Computing and Network Science projects

Led immersive media applications enhancing editorial workflows

**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 for media contexts

Completed projects on Statistical Machine Learning for editorial innovations

## SKILLS

**Technical Skills:** AI technologies, Data analysis, Machine learning applications, Consumer product development, Go, Python, JavaScript, AWS

**Soft Skills:** Leadership, Strategic mindset, Cross-functional collaboration, Communication of complex concepts, Advocacy for AI ethics

**Other Skills:** Editorial operations, Collaboration with product and tech teams, Decision-making, Organization

## PROJECTS

**Serverless Document Processing System**

2022

Engineered a serverless system with AWS (Lambda, S3, EC2) and ReactJS, enhancing editorial workflows with AI-driven automation.

Automated EC2 provisioning via DynamoDB-triggered Lambda, optimizing file processing and reducing costs by ??%, adhering to security standards.

**Camping Advisor Portal**

2021

Integrated VisualCrossing and Google Maps APIs for real-time data analysis, enhancing consumer engagement with AI-driven insights.

Utilized Neo4j and D3JS to present optimal meteor shower spots, improving user experience with data-driven recommendations.

**Accommodation Website**

2020

Developed an Airbnb-like app using React and Django, achieving top ??% in class for user-centric design and AI-based fake comment detection.

**E-commerce Website**

2019

Built a scalable e-commerce platform using the MERN stack, focusing on AI-driven consumer product development and data analysis.

**Clinical Reminder Backend**

2018

Developed a backend in 3 days with Spring Boot, enabling doctors to manage patient data and send reminders, improving operational efficiency.

**Unity(C#) Game Development**

2017

Led a team to win the ?? Award at Game Jam with a Unity game, showcasing leadership in AI-driven game design and cross-functional collaboration.