

# Name

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## PROFESSIONAL SUMMARY

Innovative AI leader with extensive experience in senior-level editorial roles, adept at bridging AI technologies with editorial operations to drive strategic solutions in media environments. Proven track record of collaborating with cross-functional teams to develop AI-driven consumer products and enhance editorial workflows, leveraging expertise in data analysis, machine learning applications, and consumer product development. Advanced proficiency in communicating complex AI concepts to non-technical stakeholders while advocating for ethical AI usage. Equipped with a Master's in Information Science and a robust background in software development, offering a unique blend of technical and editorial acumen to lead transformative AI initiatives in media organizations.

## EXPERIENCE

XXX Lab, University XXX

XXX, PA

### SOFTWARE DEVELOPER - VOLUNTEER (SPARK, ELASTIC MAPREDUCE, PARQUET, DATA PIPELINE)

July 2024 – Aug 2024

*Developed scalable data pipelines using AWS for processing large datasets, enhancing data accessibility and efficiency.*

- Designed a secure data-sharing pipeline processing 1TB using AWS, enhancing data accessibility for medical research by ?? %.
- Optimized ETL processes with Spark, reducing data processing time to ?? minutes and query time to seconds for large datasets.
- Integrated AWS QuickSight with a NextJS interface, reducing operational costs and setting the stage for future enhancements by ??

Department of XXX, University XXX

XXX, PA

### SOFTWARE DEVELOPER (NODE.JS, PYTHON-DJANGO, NEXTJS)

Jun 2023 – Feb 2024

*Led development of Alexa skill and web integration, enhancing patient-caregiver connectivity through innovative solutions.*

- Developed Alexa skill for assessments, integrating with web apps to connect patients with caregivers for ?? % better access.
- Utilized AWS Lambda and DynamoDB for efficient execution and tracking, improving process efficiency by ?? %.
- Enhanced security in Django API with JWT authentication, securing systems on AWS Elastic Beanstalk for ?? users.
- Created data visualization features with Next.js, streamlining CI/CD pipeline via AWS Amplify for ?? projects.
- Produced video tutorials for development processes, improving onboarding efficiency and project continuity 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 accuracy for inspection robots by fine-tuning models and generating extensive datasets.

- Fine-tuned YOLO models for server room robots, boosting detection accuracy and reliability by ?? %.
- Generated over 10,000 datasets from 200 using Blender, significantly improving YOLO model training 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, streamlining development workflows.
- Collaborated with teams for seamless robotic system integration, documenting processes for future projects by ?? %.

EDUCATION

University XXXXXXX, PA  
Master XXX Information Science (GPA 3.95/4.0)Aug 2022 - May 2024

Coursework in Cloud Computing and Network Science, focusing on AI-driven solutions for media applications

Immersive Media Applications project: Developed AI tools for enhancing editorial workflows

Collaborated with cross-functional teams on AI technologies in media contexts

University XXX (QS TOP 20)XXX, Australia  
Bachelor of Science (Honors) in Computer Science & EngMar 2017 - Nov 2021

Applied AI and Deep Learning coursework with a focus on media and editorial applications

Advanced Topics in Statistical Machine Learning: Developed consumer product solutions using AI

Data Mining project: Analyzed large datasets to improve media content delivery

SKILLS

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

**Soft Skills:** Leadership, Strategic Mindset, Cross-functional Collaboration, Communication of Complex Concepts, Decision-making, Organization, Advocacy for AI Ethics

**Other Skills:** Editorial Operations, Collaboration with Product and Technological Teams, Proven Track Record in Senior-level Editorial Roles, Responsible AI Usage

PROJECTS

Serverless Document Processing SystemTime Period

Collaborated with product and tech teams to design a serverless full-stack system using AWS services (Lambda, S3, EC2, DynamoDB, API Gateway) and ReactJS, enhancing editorial workflows with advanced AI-driven solutions.

Implemented DynamoDB-triggered Lambda functions for automated EC2 instance provisioning, achieving a seamless file processing workflow, reducing operational costs by 30%, and adhering to AWS security best practices.

Camping Advisor PortalTime Period

Integrated VisualCrossing Weather API and Google Maps API for data-driven campsite discovery, enhancing consumer product development with AI technologies.

Utilized Neo4j Graph Database and ExpressJS to present optimal meteor shower spots, demonstrating the practical application of data analysis in consumer-facing products.

Accommodation WebsiteTime Period

Developed an Airbnb-like housing app using React, Django, and PostgreSQL, achieving top 10% ranking for user-friendly design, showcasing leadership in consumer product development.

Implemented fake comment detection features, demonstrating data analysis and machine learning applications in a media context.

**E-commerce Website**

*Time Period*

Developed a scalable e-commerce platform using the MERN stack, focusing on foundational full-stack development practices, aligning with editorial operations and consumer product development.

**Clinical Reminder Backend**

*Time Period*

Led the development of a clinic reminder system backend using Spring Boot, Spring MVC, and Spring Data JPA in just three days, demonstrating leadership and cross-functional collaboration.

Created RESTful APIs for managing patient information, highlighting the ability to communicate complex concepts to non-technical stakeholders.

**Unity(C#) Game Development**

*Time Period*

Led a team to win the XXX Award at XXX Game Jam with a Unity-built game, showcasing leadership and strategic mindset.

Independently developed and released a 3D adventure game, demonstrating the ability to bridge AI solutions with consumer-facing products.