

Ulric Ye

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EDUCATION

Rice University

Master of Data Science

Expected April 2026

University of California, San Diego

Bachelor of Science in Cognitive Science Human-Computer Interaction

Minor in Computer Science

June 2019

EXPERIENCE

International Business Machines (IBM)

Application Developer

Houston, TX

Jan 2024

Associate Application Developer

Aug 2020 - Dec 2023

- Collaborated with product team and client to develop chatbot POC integrated with Retrieval Augmented Generation (RAG) API using React and NodeJS.
- Led development team to develop an abstraction layer to improve business processes and facilitate data access realizing over \$3 million in value.
- Automated back office reports generation helping the client realize over a million dollars in value and saving 80+ hours of manual work per week.
- Collaborated with the client and initiated development of a \$50 million 5-year digital transformation project with focus on creating a new go-to market.

PROJECTS

Security Incident Response Service

October 2023

- Refactored Security Incident Response service to FastAPI improving performance and data validation.
- Implemented PostgreSQL to store incident form data.

Video Transcriber

August 2023

- Developed a tool that generates summaries from videos using Watson Speech-to-Text and IBM Watson Studio for IBM Watson X Hackathon.

SKILLS

Languages: JavaScript, Python

Databases: PostgreSQL, DynamoDB, MongoDB, Firebase

Frontend: React, Redux, Sass, CSS, Bootstrap, jQuery

Backend: NodeJS, Express, FastAPI

Frameworks/Libraries: NodeJS, Express, React, FastAPI, Bootstrap, jQuery

Cloud: Amazon Web Services (AWS), IBM Watson Services, Docker

AWARDS

US Industrial Sector IDEA Award

September 2021

- Awarded for the most innovative and strategic transformation program.