

# Ashkan Rohani

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Detailed Projects can be found at <https://www.projectashkan.com/>

## EDUCATION

**The University of Chicago**

Master of Science in **Computer Science**

*Specialization in **Application Development***

**March 2024**

**Rice University**

Bachelor of Science in **Chemical and Biomolecular Engineering**

Minor in **Biochemistry / Cell Biology**

**May 2018**

**Hong Kong University of Science and Technology**

**Summer 2015**

## TECHNICAL SKILLS / AWARDS

- **Technical:** Python, C, BASH / Unix, HTML, JavaScript, SQL, MATLAB, Celonis (Process Mining), Git, Docker
- **Frameworks and Libraries:** PyTorch, NLP, NumPy, Pandas, react.js, node.js, flask
- **Cloud:** AWS
- **Awards:** Covestro Excellence in Engineering (Rice University), Deloitte LLC Graduate School Sponsorship

## EXPERIENCE

**Astellas Pharmaceuticals, ML / NLP Analytics Intern**

**June 2023 – September 2023**

- Conducted extensive analysis of YouTube API and Social Media data using **Python, SQL**, and **ML / NLP** frameworks to evaluate patient sentiment among post-treatment AML patients, while implementing advanced techniques including **topic modeling** and **LDA** analysis to extract insights
- Analyzed comprehensive **oncological clinical data** across global markets (US, Japan, Korea, Brazil, UK) to track market share, monitor line of therapy growth, and identify emerging trends in drug combination for rare disease patients

**Stauffer / University of Chicago SSD, Web Development Intern**

**June 2023 – September 2023**

- Collaborated with UChicago SSD department to assist with front-end development in **HTML / CSS**

**Deloitte Consulting LLC, Consultant (Biopharma, MedTech, Biotech, Aerospace & Defense)**

**August 2018 – August 2022**

- Managed and led solution **DevOps** and tech implementation for **clinical trial systems**, risk analysis, and **master data management** across various leading global pharmaceutical companies (Japan, UK, US, China)
- Proposed **master data transformation** strategy and organizational design across major bio-pharma players; solutions included a finalized org / operating model, and technology assessment for automation / MDM transition
- Optimized inventory redistribution and fleetwide supply chain modeling for major jet program using **Python, SQL**, and **SAP**
- Acted as Functional Lead and Project Manager for major clinical trial **system design** and integration; requirements gathering, implementation, testing, and validation of **clinical trial systems**
- Mid and Post-merger support for **acquisition of Rare Disease bio-pharma companies**, including strategy for integration, clinical trial optimization, and patient support with budget in excess of \$40B

## RELEVANT RESEARCH / SIDE WORK

**Media Burn Non-Profit, Front-end Developer**

**November 2023 - Present**

- Build and maintain web-app front-end using **HTML, CSS**, and **WordPress**

**Pfister Zoology Lab @ UChicago**

**February 2023 – June 2022**

- **Image classification** and ML driven categorization of coastal communities using **Python ML libraries** and **ArcGIS Pro**.

**MedTech Underground, Consultant**

**August 2018 – August 2022**

- Led various collaborations with medical device startups, including product strategy, go-to-market strategy, and pricing strategy within leading research institutions and global early seed/Series A MedTech startups