RANDAL OLSON, PH.D.

FULL STACK DATA SCIENTIST & ML EXPERT

CONTACT

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EDUCATION

2011 - 2015
MICHIGAN STATE UNIV.

- Ph.D. in Computer Science & Evolutionary Biology

2005 - 2010
UNIV. OF CENTRAL FLORIDA

- B.S. in Computer Science
- Graduated Honors in Major

SKILLS

- Machine Learning (14 yrs)
- Data Science (12 yrs)
- Data Visualization (12 yrs)
- Software Engineering (15 yrs)
- LLMs / GenAI (1 yr)
- Team Leadership (4 yrs)
- Technical Writing (12 yrs)

LANGUAGES

- English (Native)
- Python (Expert)
- C/C++ (Fluent)
- HTML5/JavaScript (Fluent)

PROFILE

Accomplished and proactive full stack data scientist and machine learning expert with a strong foundation in data science, data visualization, and software engineering. Proven leadership in transforming innovative concepts into valuable products and insights across numerous industries, promoting collaborative innovation within and across teams, and mentoring junior data science professionals.

WORK EXPERIENCE

Randal Olson Consulting   2022 - PRESENT
Data Science / AI Consultant

- **Strategic Data Science Consulting:** Provide expert guidance and practical solutions to startups, specializing in transforming innovative ideas into functional prototypes.
- **AI-Driven Project Development**: For example, assisted the creation of an AI system to scale GuideToEurope.com's all-inclusive travel packages from one country to hundreds of regions across Europe.

Absci   2021 - 2022
Senior AI Scientist

- **Data Engineering:** Enhanced data integration by building Python-based ETL systems that bridged wet lab data with AI initiatives, improving data transfer rates from days to minutes.
- **MLOps Infrastructure & LLMs:** Built MLOps infrastructure and co-developed LLMs for drug discovery, resulting in valuable products, research papers and patents.
- **Cross-functional Teamwork:** Strengthened collaboration between AI and wet lab teams, optimizing workflows and speeding up innovation in drug discovery.

FOXO Technologies   2018 - 2021
Chief Data Scientist / Scientific Advisor

- **Team Leadership:** Founded and led a research team blending epigenetics research with machine learning to transform mortality assessment in the life insurance industry, producing 2 patents. [1] [2]
- **AWS-Based Data Platform:** Managed large-scale datasets with 800K+ data points and developed an AWS-based research database with automated data processing and cleaning.
- **Machine Learning Product:** Created and deployed ML models using state-of-the-art AutoML and MLOps platforms on AWS, incorporating model inferences into a customer-facing web platform.

Full resume and references available upon request.