

STEVEN NORD

ASPIRING REINFORCEMENT LEARNING RESEARCH SCIENTIST

234.352.0366

Steven.Nord88@Gmail.com

 [linkedin.com/in/steven-nord/](https://www.linkedin.com/in/steven-nord/)

 github.com/snord883

 [kaggle.com/snord883](https://www.kaggle.com/snord883)

PROFILE

Aspiring Reinforcement Learning Research Scientist with 6+ years of software development experience and a strong foundation in machine learning, reinforcement learning, and leadership. Proven ability to mentor teams, implement innovative solutions, and adapt quickly to new tools and technologies.

EDUCATION

Georgia Institute of Technology (Online) | M.S. in Computer Science (Machine Learning)

January 2022 - December 2024 | Cumulative GPA - 4.00/4.0

- Relevant Coursework:
 - Reinforcement Learning: Developed deep RL models to optimize multi-agent robotic coordination utilizing PyTorch
 - Robotics:
 - AI Technology: Implemented SLAM, and PID controllers in simulation environments to navigate robotic drone systems
 - Utilized particle filtering to localize spacecraft regardless of noise

The University of Akron | B.S. in Statistics - Actuarial Science

August 2006 - December 2010 | Cumulative GPA - 3.67/4.0

TECHNOLOGIES

- **Languages/Frameworks:**
 - Python, Java, Spring, C#, C++, ROS/ROS2, MATLAB, R, JavaScript, React, VBA
 - NumPy, Pandas, PyTorch, Scikit-Learn, TensorFlow2, Keras
- **Cloud:**
 - AWS, GCP
- **Databases:**
 - DB2, Oracle, Postgres, Hadoop, MySQL, BigTable, Datastore, DynamoDB, Snowflake
- **Operating Systems:**
 - OS X, Windows, Linux
- **Tools/Other:**
 - Git, Jenkins, Web services (REST & SOAP), Splunk, Docker, Kafka, CI/CD, TDD, Microservice architecture, Event driven architecture, Excel, Tableau, Apache Nifi

EXPERIENCE

Fifth Third Bank

January 2022 - July 2024

Lead Software Engineer

- Spearheaded strategic efforts with senior leadership to implement a machine learning-powered customer segmentation model
- Aided executives in analyzing millions of fraud event data to make insightful decisions
- Guided teams on python coding with AWS Lambda functions
- Led squad during deployments to production to ensure applications were operational
- Mentored junior developers, an expansion of my role as a contracted developer
- Collaborated with other dependent team leads to coordinate overlapping priorities
- Assumed responsibilities for PO and/or Scrum Master when company went through restructurings
- Represented the organization by presenting at developer conference for reinforcement learning
- Inspected, organized, and parsed application data from Snowflake to identify patterns and insights that improved operational efficiency and reduced costs

Callibrity

August 2018 - December 2021

Senior Software Developer - Contractor (Fifth Third Bank)

- Promoted to Senior Developer within first year
- Quickly adapted to guide our squad to launch the first AWS microservice at the bank
- Authored "Conversation Intelligence: How to get the most out of meetings"
- Improved code coverage from 80% to 98+% across squad's applications
- Reduced fraud-related expenses by \$750,000 within first year of microservice's initial deployment by profiling +500K daily logins
- Built a design using multiple asynchronous Step Functions to reduce response time of application by 60%
- Performed load balancing to ensure application could handle 99.9999 percentile. Presented the analysis for other teams to implement.

EXTRACURRICULAR

• Technical presentations

- "How Developers Could Use Machine Learning" - August 2019 | Cincinnati, Ohio
- "GCP - Professional Data Engineer" - October 2020 | Cincinnati, OH
- "Man vs. Mancala - Reinforcement Learning" - June 2022 | Cincinnati, Ohio
- Provided machine learning consultation during Point-of-Sales calls with prospective clients

Career Note: Additional experience as Freelance Web Developer at ViaForge (startup), Pricing Analyst and Technical Consultant at Nationwide Mutual Insurance Company, and Actuarial Analyst at Charles Schwab. Details available upon request.

