AMANDA POGUE, PHD

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SUMMARY

- Passionate about good product design and building cross-functional teams that encourage effective communication between engineering and business
- Self-motivated, problem-solving, and collaborative scientist with excellent communication skills

EXPERIENCE

ActionIQ   **New York, NY**
Data Scientist - Product Analytics   *Nov 2020 to present*

- Produce actionable insights that help set the strategic direction with ActionIQ's leadership team
- Collaborate with engineers, product managers, and designers provide guidance on making data driven decisions
- Build pipelines and dashboards tracking Business KPIs and Engineering metrics
- Create models for business goals, understand the levers involved, and educate teams on how best to use those levers
- Own and solve complex data-related problems using some of the most diverse datasets available

SparkBeyond   **New York, NY**
Senior Data Scientist - Product Team Lead   *Sept 2018 to Sept 2020*

- Americas Product Team Lead: involved in product development, proposals and strategies, and collecting / prioritizing client feedback. Regularly consulted with cross functional teams of executives, product managers, engineers, and UX designers.
  - Managed a team of 7 regional stakeholders - responsible for role assignments, task allocation, monthly check-in reviews, reporting feedback on their behalf to the global product team, and advocating on their behalf in product planning
  - Communicated key decisions to the business during weekly office meetings, led weekly data science team stand up meetings, organized a weekly info share sessions, and coordinated usability and bug testing sessions
- Lead and support data scientist for several Fortune 500 companies, providing support in ETL, data preparation, constructing machine learning pipelines, and implementing models into production. Including:
  - Preliminary data analysis, feature generation, feature explanations (e.g., visualizations and feature breakdowns to explain insights from data), and model comparisons for: disease risk models, exploring changes in sales for CPG clients, and fraud detection in pharmaceutical rebates
  - Supported major clients after initial engagements, providing office hours, technical support, project advice, advocating on behalf of their field requests, and supporting new use cases
- Contributing researcher on the AI team, involved in the natural language processing (NLP) and machine learning teams, building tools using state of the art models in NLP and for understanding relational graph data.

Insight   **New York, NY**
Data Science Fellow   *June 2018 to August 2018*

- Consulted with an education-based start-up to produce an AI chatbot designed to provide teachers with an efficient way to respond to student reflections. The start-up was awarded a grant based on the results of this work.
- Engineered a machine-learning pipeline using NLP and classification techniques to categorize student reflections and generate appropriate feedback.
- Used the Google Natural Language Cloud API to measure the sentiment of student responses to provide feedback that captures students' emotional responses.

University of Rochester   **Rochester, NY**
Graduate Research Assistant, Senior Thesis Supervisor, RA Supervisor   *Sept 2013 to May 2018*

- Designed experiments exploring language and cognition, that were conducted using Amazon's Mechanical Turk and in the lab.
  - Created surveys and questionnaires using Qualtrics with custom javascript, and extensive flow design
  - Conducted data analyses (logistic, ordinal, and linear regression; model comparison; mixture modeling, non-parametric stats: fisher's and chi-squared test, binomial test, KS test, etc) and data visualization using R, and produced scripts for batch task efficiency in python
- Managed and mentored ~15 students working on projects in the lab, including training, organizing bi-weekly lab meetings, and provided guidance at all steps of the research process.
- Organized a bi-weekly meeting and a seminar talk series of interdisciplinary researchers.

EDUCATION

- PhD, MA, Brain and Cognitive Sciences, University of Rochester, 2018
- MA, Psychology, University of Waterloo, 2013
- HBSc, Psychology, Cognitive Science, Philosophy, University of Toronto, 2009

TALKS

- SparkBeyond's AI-Powered Problem Solving Platform, AI World Conference and Expo 2019
- Knowledge Mining (KnoMi) to Bridge the Evidence-to-Policy Gap, Bloomberg's Data for Good Exchange 2019

SKILLS

Programming Languages Python, R, SQL, Scala, Java, HTML, JavaScript

Languages English: native. French: elementary proficiency. Spanish: elementary proficiency.

Interests data analysis & viz, product design, ethics, diversity and inclusivity in DS/ML/AI, volunteering, swimming, biking, knitting, indie/lofi music, foreign television, languages