

# Justin Platz

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## WORK EXPERIENCE

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### IBM

Technical Product Manager, Intranet Search

May 2016 - Present

- Architected and developed a strategy for improving Intranet Search relevancy, scalability and performance with Cloud and Machine Learning technologies in order to provide IBMers with the relevant information they need to be most effective
- Led initiative to identify and redefine Intranet Search KPIs to meet academic Information Retrieval standards, ensuring alignment on goals and development of forward-looking technologies and models
- Managed, coached and trained a global team of Machine Learning, DevOps and Software Engineers, Product Architects, and Designers
- Developed and deployed semi-supervised Learn-to-Rank algorithm, model and Data Engine with automated closed feedback loop

Research Software Engineer, AI Solutions

- Developed unstructured data analytics which leverage text-similarity algorithms to discover companies that meet user-specified profiles
- Designed and developed interactive visualizations which accompany the data analytics to aid real business users in exploring the recommendations and iteratively refining the search space
- Performed experiments to utilize crowd sourced human intelligence to support Active Learning approach for large-scale Entity Resolution system
- Successfully built and trained “AI Co-Pilot” for emergency decision support
- Integrated various ML technologies to create a closed-domain question answering system
- Researched exploratory training of question answering system using an ontology, both structured and unstructured data

## TECHNICAL SKILLS

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Programming Languages: Python, JavaScript, Node.js, C++, Swift, HTML(5), CSS

Skills: AI/Machine Learning, Product Management, Agile Methodologies, UI/UX, iOS Development

## EDUCATION

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University of Michigan

Ann Arbor, Michigan

Major: Computer Science

April 2016

Minor: Entrepreneurship

Continued Education: Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization by deeplearning.ai, Neural Networks & Deep Learning by deeplearning.ai, Stanford University Machine Learning by Andrew Ng

## ACTIVITIES AND HONORS

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| - Patent filed for System and Method for Discovering Synergistic Companies  | 2019 |
| - Co-Author: <b>Cognitive Company Discovery</b> . <i>RecSys '18; Vancouver.</i>   | 2018 |
| - Co-Author: <b>Towards a Generalized Similarity Service</b> . <i>KDD '18; London.</i>  | 2018 |
| - Presentation: <b>Using Unstructured Data Analytics To Find Corporate Acquisition Targets</b> . <i>Infirms '18; Baltimore.</i> | 2018 |