

# Justin Platz

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## WORK EXPERIENCE

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### IBM Research

Research Software Engineer

May 2016 - Present

- 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 Watson services (internal and external) to create a closed-domain question answering system
- Researched exploratory training of question answering system using an ontology, both structured and unstructured data
- Implemented Natural Language Interface for Swift iOS app

### PubNub

Internet of Things & Embedded Systems Engineer Intern

May - August 2015

- Demonstrated IoT use-case with Raspberry Pi to create a Surveillance Camera
- Developed real-time collaborative music player with Parse backend
- Developed several Swift apps such as Yo! Clone and real-time Chat app, as well as several other IoT projects

### Companion - iOS App

Software Developer

2015 - 2017

- Responsible for the development of the iOS app, testing, maintenance & product/project management of live product
- Advanced the product and provided the best user experience, helping people get home safely

## TECHNICAL SKILLS

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

Skills: AI/Machine Learning, Software Engineering, UI/UX, Research, Data Science, iOS Development

## EDUCATION

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**University of Michigan**

Ann Arbor, Michigan

**Major:** Computer Science

April 2016

**Minor:** Entrepreneurship

**Relevant Coursework:** Algorithms & Data Structures, Intro. To Artificial Intelligence, Information Retrieval & Web Search, Agile Web Development

**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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|---|--|-------------|
| - | <b>RecSYS 2018 Demo on Cognitive Company Discovery</b>                             | <b>2018</b> |
| - | <b>KDD 2018 Workshop on Interactive Data Exploration and Analytics (IDEA)</b>      | <b>2018</b> |
| - | <b>Research project selected to 2018 Informatics Business Analytics Conference</b> | <b>2018</b> |
| - | <b>First Prize Raspberry Pi Project on Instructables.com</b>                       | <b>2015</b> |