

# Abhishek Pradhan

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## EXPERIENCE

### **Datavant**

*Engineering Lead, Healthcare Privacy Software*

San Francisco, California  
March 2018 – November 2018

- Responsible for road mapping, building and shipping the company's first product
- Defined the software engineering practices and standards for the company
- Mentored recent college graduates and data scientists into independent software engineers and product owners
- Implemented developer workflow, continuous integration and tools for the company
- Architected and implemented healthcare data privacy software
- Provided technical feedback and due diligence for external company acquisition
- Reverse engineered acquired technology from acquisition
- Set hiring standards and interview pipeline for the engineering team

### **Two Sigma Investments LP**

New York City, New York

*Software Engineer, Execution Engineering*

January 2015 – February 2018

- Responsible for development of trading systems and tactics that enable execution of trade intent efficiently
- Led the expansion of the trading platform into the foreign exchange market
- Analyzed and implemented new trading tactics in the trading system
- Implemented changes that aided expansion into various new markets and types of financial instruments
- Worked closely with customer teams to roadmap and expand trading platform capabilities
- Designed, maintained and evangelized a monitoring system for production applications
- Built libraries and performed analysis for trading risk management
- Participated in companywide recruiting efforts by interviewing college and experienced candidates

### **Microsoft Corporation**

Bellevue, Washington

*Software Development Engineer II, Bing – Core Search Platform*

August 2011 – December 2014

#### **Core Search Technologies**

- Responsible for the development of various components that are part of the search ranking infrastructure
- Shipped a major infrastructure overhaul of the search backend ranking platform
- Implemented performance improvements targeted towards reducing latency and improving query serving capacity
- Extended backend functionality to support entity search capabilities
- Implemented a new operator in the Bing query language

#### **Programming Languages and Compilers**

- Designed and developed a domain specific language for relevance developers
- Implemented search ranking algorithms in this language to evangelize usage amongst the relevance teams on Bing
- Proposed and implemented language artifacts and extensions in order to support greater functionality and ease of use

#### **Release Management and Operations**

- Managed various monthly and weekly releases of the backend platform
- Developed monitoring components designed to be part of the release workflow
- Managed external team integration into automated release and deployment workflows
- Responsible for release qualifications related to relevance in the ranking infrastructure team

*Software Development Engineer Intern, Bing – Core Search Platform*

June 2010 – August 2010

- Developed a domain specific functional programming language targeted towards relevance developers
- Extended the core language library to interface with algorithms used to generate captions on the search result page

## EDUCATION

### **University of Illinois at Urbana – Champaign**

May 2011

*Bachelor of Science in Computer Science - Graduated with Honors, Dean's List*

### **Columbia University**

2015-2017

*Data Science Institute (on leave)*

*Coursework: Mathematics of Finance, Probability and Statistics, Data Visualization*