

EDUCATION

Carnegie Mellon University	Aug '14 - Dec '15
M.S. in Intelligent Information Systems, School of Computer Science	GPA: 3.76/4.0
Purdue University	Aug '09 - Dec '12
B.S. in Computer and Information Technology, College of Technology	GPA: 3.86/4.0

PROFESSIONAL EXPERIENCE

BloomReach, Inc., Mountain View CA

<i>Engineering Intern</i>	May '15 – Aug '15
<ul style="list-style-type: none">Designed and implemented the SolrCloud Rebalance API. This new API allows robust index and config manipulation in SolrCloud while guaranteeing zero downtime using various Scaling and Allocation strategies. It is built in a generic way to enable plugging in of new scaling mechanisms to Solr and make it contributable to open source community.	

Bank of America Merrill Lynch, Chicago

<i>Software Developer Associate</i>	Feb '13 – Jul '14
<ul style="list-style-type: none">Developed system integrations and auto provisioning framework for the Access Request Management system primarily using ASP.NET and JavaScript utilizing the MVC 4.0 frameworkManaged the design and analysis for new strategic initiativesDesigned and implementing data warehouse for the enterprise repositoryLead technical courses in Agile, SQL, OOP concepts	

<i>Software Developer Intern</i>	Jun '12 – Aug '12
<ul style="list-style-type: none">Developed a dynamic form generator in addition to a draft design of the data warehouse architecture.	

Carnegie Mellon University, Pittsburgh

<i>Graduate Teaching Assistant</i>	Jan '15 – Dec '15
<ul style="list-style-type: none">As a Head TA for the Search Engines course, I write Python and Perl scripts/code for auto-grading coding assignmentsGenerating tests cases for homework assignments and hosting office hours	

Bard Graduate Center, New York City

<i>iPhone Application Developer</i>	Jan '11 – Feb '11
<ul style="list-style-type: none">Application for the New York museum - Virtual Tour of Artifacts using real-time sensor data.	

Purdue University Research

<i>Student Research Asst to the Asst. Department Head of CIT</i>	Dec '09 – Jun '12
<ul style="list-style-type: none">Developed various features for the SPIRIT website in addition to designing database structure and integration	

PROJECTS (at Carnegie Mellon University)

Email Personalization (Yahoo! InMind Project)	Aug '14 – May '15
<ul style="list-style-type: none">Using topical and contextual information to create personalized email system as part of the Yahoo!-CMU collaborationGave a talk to the Yahoo! grant recipients and faculty about different methods to access Yahoo! Mail feed securely, at the Yahoo! InMind seminar.	

Distracted Driving Project (Yahoo! InMind Project)	Aug '14 – Present
<ul style="list-style-type: none">Controlling the human interactive system to gather appropriate data from research subjects to detect driving distraction (using OpenSmile)	

Learning to Rank (LETOR)	Aug '14 – Dec '14
<ul style="list-style-type: none">Implemented Logistic Regression model whilst using SVMlight for Learning To Rank (LETOR).Evaluated models employing rank-based evaluation metrics - Normalized Discounted Cumulative Gain (NDCG), Mean Average Precision (MAP) and Precision@N (P@N).	

Twitterized Speech Recognizer	Oct '14 – Dec '14
<ul style="list-style-type: none">Utilizing Twitter data to improve pronunciation dictionaries using KALDI toolkit	

RELEVANT SKILLS

Java, C++
MATLAB
Python
Apache SolrCloud
Lucene
C#, ASP.NET, MVC 4.0
ExtJs, JavaScript
CSS, HTML/XHTML
SQL/PLSQL, mySQL
ERWin
UML 2.0
BPMN 2.0
iOS, WP7

APPLICABLE COURSES

Machine Learning
Machine Learning for Large Datasets
Natural Language Processing
Search Engines
Mobile Computing on Windows platform
Enterprise Application Architecture

LEADERSHIP ROLES

Association of IT Professionals (AITP) – Vice President
College of Technology Dean's Advisory Committee Member
Center for Career Opportunities (Career Fairs) – Organization Head
College of Tech – Student Ambassador
Industrial Advisory Board (IAB) – Student Representative

AWARDS & HONORS

1st Place in Database Design at AITP National Collegiate Conference 2012
1st Place in Boston Scientific Case Competition, 2010
Detailed Descriptions:
<https://www.cs.cmu.edu/~suruchis>