

# Dhawal Joharapurkar

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Contact Information	483, Engineering 2 Computer Science Department University of California, Santa Cruz Santa Cruz 95060	<b>email:</b> dhawal.joharapurkar@gmail.com <b>web:</b> <a href="https://dhawaljoh.github.io">https://dhawaljoh.github.io</a> <b>phone:</b> +1-831-346-8702
Education	<b>University of California</b> , Santa Cruz Ph.D. in Computer Science <b>Advisor:</b> Prof. Yang Liu  <b>Manipal Institute of Technology</b> , Manipal B.Tech in Computer Science & Engineering <b>Bachelor Thesis:</b> Temporal Scoping of Facts in a Knowledge Base	2016–Present  2011–2015
Work Experience	<b>Amazon.com</b> , Palo Alto Applied Scientist Intern Mentor: Dr. Parth Gupta <ul style="list-style-type: none"><li>• Prediction of behavioral priors for item cold start problem using neural networks</li><li>• Attempt to replace several GBDTs with a single multi-output NN that predicts behavioral priors</li></ul> <b>Lam Research</b> , Fremont Intern, Global Information Systems Mentor: Amod Ghangurde <ul style="list-style-type: none"><li>• Initiated the standardization of the Python development environment across business units</li><li>• Foundational work on using Natural Language Processing at Lam Research. Used NLP to augment existing ML systems by ingesting text from Lam Knowledge Documents.</li></ul> <b>Chobanian Group</b> , San Jose Research Intern, Data Science Group Mentor: Dr. Tyler Munger <ul style="list-style-type: none"><li>• Expert identification in large delivery organizations</li><li>• Statistical Relational Learning approaches to expert identification</li></ul> <b>Xerox Research Centre India</b> , Bangalore Research Intern, Machine Learning and Statistics Group Mentors: Dr. Vaibhav Rajan and Sumit Negi <ul style="list-style-type: none"><li>• Analysis of clinical notes of ICU patients using Topic Models</li><li>• Created a plotting tool to highlight different statistics across classes</li></ul> <b>Indian Institute of Science</b> , Bangalore Project Trainee, Supercomputer Education and Research Centre (SERC) Mentor: Prof. Partha Talukdar [MALL Lab] <ul style="list-style-type: none"><li>• Temporal scoping and ordering of relations in a knowledge base</li><li>• Entity linking and disambiguation in large text corpora</li></ul> <b>Indian Institute of Technology</b> , Kharagpur Summer Research Intern, Dept. of Computer Science & Engineering Mentor: Prof. Sudeshna Sarkar <ul style="list-style-type: none"><li>• Implemented DBSCAN algorithm to find traffic stoppage points and segmented roads based on their speed profiles – automatic profiling of drivers</li><li>• Modified “simplekml” Python module to plot the GPS points on Google Maps</li></ul>	Jun '19–Aug '19  Jun '18–Sep '18  Jun '17–Aug '17  Jun '15–Jan '16  Dec '14–May '15  May '14–Jun '14

**DataWeave Software Pvt. Ltd.**, Bangalore

May '13–Jun '13

Summer Intern

- Created data crawlers using Python that aggregated and stored content in JSON dumps
- Content available via APIs, a few listed at <http://dataweave.in/apis>

Teaching  
Experience

**University of California**, Santa Cruz

CMPS 12A/L Introduction to Programming (Accelerated)[Evaluations]

Winter '19

CMPS 5J Introduction to Programming in Java [Evaluations]

Fall '18

CMPS 11 Intermediate Programming in Java [Evaluations - S18', S19']

Spring '18, '19

CMPS 140 Artificial Intelligence [Evaluations - W17', W18']

Winter '17, '18

Recent Project

**Expert Identification**

Jun '18–Dec '18

**Mentor:** Prof. Lise Getoor

UC Santa Cruz

Identification of experts based on network topology, collaboration graphs and local features such as post strength, experience information, etc. We are working on StackExchange datasets and using Probabilistic Soft Logic for inference.

**Survey On Data Programming**

May '18–Jun '18

**Mentor:** Prof. Cormac Flanagan

UC Santa Cruz

Survey on the recent literature surrounding Data Programming.

**Other and Past Projects**

**Link:** <https://dhawaljoh.github.io/research/projects/>

Publications

**Online Adspace Posts' Category Classification**

Dhawal Joharapurkar, Vaishak Salin, Vishal Krishna

12<sup>th</sup> International Conference on Natural Language Processing, December, 2015

Talks

**From Big Text to Big Knowledge**

Feb '15

SERC Open Day 2015

IISc, Bangalore

Honors

**Regents' Fellowship**, UC Santa Cruz

2016–17