

Debarghya Das

debarghyadas.com | fb.co/dd
607.379.5733 | dd367@cornell.edu

EDUCATION

CORNELL UNIVERSITY

BS + MEng in Computer Science
May + Dec 2014 | Ithaca, NY
College of Engineering
Magna Cum Laude
Cum. GPA: 3.83 / 4.0
Major GPA: 3.9 / 4.0

LA MARTINIERE FOR BOYS

May 2011 | Kolkata, India

LINKS

Facebook:// dd
Github:// deedy
LinkedIn:// debarghyadas
YouTube:// DeedyDash007
Twitter:// @debarghya_das
Quora:// Debarghya-Das

COURSEWORK

GRADUATE

Advanced Machine Learning
Open Source Software Engineering
Advanced Interactive Graphics
Compilers + Practicum
Cloud Computing
Evolutionary Computation
Defending Computer Networks
Machine Learning

UNDERGRADUATE

Information Retrieval
Operating Systems
Artificial Intelligence + Practicum
Functional Programming
Computer Graphics + Practicum
(Research Asst. & Teaching Asst 2x)
Unix Tools and Scripting

SKILLS

PROGRAMMING

Over 5000 lines:

Java • Shell • Python • JS • PHP
MySQL • Matlab • OCaml • \LaTeX

Over 1000 lines:

C • C++ • CSS • Rails • Assembly
Familiar:

AS3 • iOS • Android

EXPERIENCE

GOOGLE | Software Engineer, Core Search Quality, Knowledge Engine

Dec 2015 - Present | New York, NY

- Machine Learning and infrastructure for query understanding, Knowledge Engine triggering, and ranking on Google Search in mostly C++, Python.

FACEBOOK | Software Engineer, Place Search Ranking

Jan 2015 - Dec 2015 | New York, NY

- Primarily a data, backend and machine learning engineer. Managed an intern, conducted interviews, and involved in on-campus recruiting.
- Projects: hours of operation prediction framework in **Hive**, **Python**.
- Data tool revamp in **Java**, **React**, **PHP**, **Hive**. Used by 600 engineers daily.
- GeoLocation prediction in **PHP**, **Hive**, **Python**.

COURSERA | KPCB Fellow + Software Engineering Intern

June 2014 – Sep 2014 | Mountain View, CA

- Full-stack developer - Wrote and reviewed code for JS using Backbone, Jade, Stylus and Require and Scala using Play

GOOGLE | Software Engineering Intern, YouTube Captions

May 2013 – Aug 2013 | Mountain View, CA

- Designed and develop a full stack method to add and edit Automatic Speech Recognition captions in Python and JS. Shipped globally.

PHABRICATOR | Open Source Contributor & Team Leader

Jan 2013 – May 2013 | Palo Alto, CA & Ithaca, NY

- Phabricator is used daily by Facebook, Dropbox, Quora, Asana and more.

RESEARCH

CORNELL ROBOT LEARNING LAB | Researcher

Jan 2014 – Jan 2015 | Ithaca, NY

Worked with **Prof Ashutosh Saxena** to create **PlanIt**, a tool which learns from user preference feedback to plan robot trajectories in human environments.

CORNELL PHONETICS LAB | Head Undergraduate Researcher

Mar 2012 – May 2013 | Ithaca, NY

Developed **QuickTongue**, the first tongue-controlled game, with **Prof Sam Tilsen**.

AWARDS

2014	top 52/2500	KPCB Engineering Fellow
2014	1 st /50	Microsoft Coding Competition, Cornell
2011	National	Indian National Mathematics Olympiad (INMO) Finalist

PUBLICATIONS

[1] A. Jain, D. Das, J. Gupta, and A. Saxena. Planit: A crowdsourcing approach for learning to plan paths from large scale preference feedback. *International Conference of Robotics and Automation*, 2015.

[2] S. Tilsen, D. Das, and B. McKee. Real-time articulatory biofeedback with electromagnetic articulography. *Linguistics Vanguard*, 2014.