

Brian Cavanaugh

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EDUCATION

CORNELL UNIVERSITY

MENG IN COMPUTER SCIENCE

Expected Dec 2014 | Ithaca, NY
Cum. GPA: N/A

BS IN COMPUTER SCIENCE

Expected May 2014 | Ithaca, NY
Conc. in Software Engineering
College of Engineering
Dean's List (All Semesters)
Cum. GPA: 3.92 / 4.0
Major GPA: 3.94 / 4.0

LA MARTINIÈRE FOR BOYS

Grad. May 2011 | Kolkata, India

LINKS

Github:// [deedydas](#)
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

UNDERGRADUATE

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

SKILLS

PROGRAMMING

Over 5000 lines:
Java • Shell • JavaScript • Matlab
OCaml • Python • Rails • \LaTeX
Over 1000 lines:
C • C++ • CSS • PHP • Assembly
Familiar:
AS3 • iOS • Android • MySQL

EXPERIENCE

COURSERA | KPCB FELLOW + SOFTWARE ENGINEERING INTERN

Expected June 2014 – Sep 2014 | Mountain View, CA

- 52 out of 2500 applicants chosen to be a KPCB Fellow 2014.

GOOGLE | SOFTWARE ENGINEERING INTERN

May 2013 – Aug 2013 | Mountain View, CA

- Worked on the YouTube Captions team in primarily vanilla Javascript and Python to plan, design and develop the full stack implementation of a new framework to add and edit Automatic Speech Recognition captions.
- Created a backbone.js-like framework for the Captions editor.
- All code was reviewed, perfected, and pushed to production.

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.
- I created the Meme generator, the entire Lipsum application, ported Tokens to different apps, fixed many bugs and more in PHP and Shell.
- Led a team from MIT, Cornell, IC London and UHelsinki for the project.

RESEARCH

CORNELL ROBOT LEARNING LAB | HEAD UNDERGRAD RESEARCH

Jan 2014 – Present | Ithaca, NY

Worked with **Ashesh Jain** and **Prof Ashutosh Saxena** to create **PlanIt**, a tool which learns from large scale user preference feedback to plan robot trajectories in human environments. Publication submitted.

CORNELL PHONETICS LAB | HEAD UNDERGRADUATE RESEARCHER

Mar 2012 – May 2013 | Ithaca, NY

Lead the development of **QuickTongue**, the first ever breakthrough tongue-controlled game with **Prof Sam Tilsen** to aid in Linguistics research. Publication submitted.

AWARDS

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|------|-----------------------------|--|
| 2014 | top 52/2500 | KPCB Engineering Fellow |
| 2014 | 2 nd most points | Google Code Jam, Qualification Round |
| 2014 | 1 st /50 | Microsoft Coding Competition, Cornell |
| 2013 | National | Jump Trading Challenge Finalist |
| 2013 | 7 th /120 | CS 3410 Cache Race Bot Tournament |
| 2012 | 2 nd /150 | CS 3110 Biannual Intra-Class Bot Tournament |
| 2011 | National | Indian National Mathematics Olympiad (INMO) Finalist |
| 2010 | National | Comp. Soc. of India's National Programming Contest |

SOCIETIES

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|------|------------|---|
| 2014 | top 12%ile | Tau Beta Pi Engineering Honor Society |
| 2014 | National | The Global Leadership and Education Forum (tGELF) |
| 2012 | National | Golden Key International Honor Society |
| 2012 | National | National Society of Collegiate Scholars |