Kennard Upton

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EDUCATION

CORNELL UNIVERSITY
MEng in Computer Science
Dec 2014 | Ithaca, NY
Cum. GPA: 3.94 / 4.0

BS in Computer Science
Dec 2013 | 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 MARTINIERE FOR BOYS
Grad. May 2011| Kolkata, India

LINKS

Github:// **kupton**
LinkedIn:// **kupton**
YouTube:// **kupton**
Twitter:// **@kupton**
Quora:// **kupton**

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 50,000 lines:
Java • Shell • JavaScript • Matlab
OCaml • Python • Rails • LaTeX
Over 10,000 lines:
C • C++ • CSS • PHP • Assembly
Familiar:
AS3 • iOS • Android • MySQL

EXPERIENCE

WEAVE | Machine Learning Specialist
Feb 2017 – Present | Durham, UK

GOOGLE | Machine Learning Engineer
Dec 2014 – Jan 2017 | Mountain View, CA
- Worked on the YouTube advertising targeting team in Java, to develop a machine learning algorithm to match users to the adverts that would appeal most to them.
- All code was reviewed, perfected, and pushed to production.

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.

RESEARCH

CORNELL ROBOT LEARNING LAB | Head Undergrad Research
Jan 2014 – Dec 2014 | 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

Year	Rank	Award
2014	top 52/2500	KPCB Engineering Fellow
2014	2nd most points	Google Code Jam, Qualification Round
2014	1st/50	Microsoft Coding Competition, Cornell
2013	National	Jump Trading Challenge Finalist
2013	7th/120	CS 3410 Cache Race Bot Tournament
2012	2nd/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

Year	Rank	Society
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