

# Alok Tripathy

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<b>Objective</b>	To obtain a software engineering internship for 2016.		
<b>Education</b>	Georgia Institute of Technology   Computer Science   Atlanta, GA   Aug 2015 - May 2019		
	● Sidney Goldin Scholarship for “outstanding leadership abilities”		
	Princeton University   Dual Enrollment   Princeton, NJ   Sept 2014 - May 2015		
	● Algorithms and Data Structures, Theory of Algorithms		
<b>Skills</b>	<b>Computer:</b> Java, C/C++, JavaScript, Python, HTML5, CSS3,		
	Reverse Engineering, Binary Exploitation, Cryptography, Algorithms, Data Structures, Computer Security, Machine Learning, Linux command line		
	<b>Miscellaneous:</b> Baseball, Violin		
<b>Work Experience</b>	<b>Software Developer Intern at Bloomberg L.P.   Princeton, NJ</b> (Feb '15 - Jun '15)		
	● Designed and implemented machine learning features to extract tables from PDF files in Java. ● Helped design framework for representing PDF files internally. ● Wrote machine learning software that is now in Bloomberg's production environment.		
<b>Honors</b>	13th Nationally - Computer Security Awareness Week Capture-the-Flag College Division		
	17th Internationally - Codegate Capture-the-Flag Final Round, Seoul, South Korea		
	2nd Nationally - Codegate Capture-the-Flag Final Round		
	24th Internationally - Plaid Capture-the-Flag		
	10th Nationally - Computer Security Awareness Week Capture-the-Flag HS Division		
	14th Nationally - Pico Capture-the-Flag		
	2nd Regionally - Philadelphia Classic USA Computing Olympiad Gold Division		
<b>Projects</b>	<b>Leadership</b>		
<b>SeeSay - PennApps XII</b> (Sept '15)	<b>Co-Founder and VP at High School CTF</b> (Apr '14 - Jun '15)		
● Made server save snapshots and serve static content.	● 2000+ person high school computer science competition.		
● Integrated and perfected text-to-speech feature into app.	● Wrote problems and got sponsors (Facebook, Bloomberg)		
<b>Vearch - PennApps XI</b> (Jan '15)	<b>Co-Founder, Co-President at HSCS.io</b> (Jun '14 - Jun '15)		
● Made server download and organize videos with Node.js	● Helped other students run CS competitions.		
● Created responsive user interface with socket.io	● Organized people into teams and assigned tasks.		
● Project placed in top 30 among all 224 projects	● Wrote problems and got sponsors.		
<b>Seeding.rocks - PennApps X</b> (Sept '14)	<b>Co-Founder and VP of CS Club</b> (Jun '14 - Jun '15)		
● Created new BitTorrent-like method of hosting websites.	● Gave lectures on algorithms and computer security.		
● Enabled an Intel Edison to run as a web server.	● Organized participation in competitions.		
<b>WordyScript - hackBCA</b> (Mar '14)	<b>Teaching Assistant at Program for Algorithmic and Combinatorial Thinking</b> (Jun '14 - Jun '15)		
● Wrote how English would be translated into Python.	● Mentored students in discrete math and theoretical CS.		
● Helped design user interface..	● Studied randomized algorithms and machine learning.		
● Top 20 among 81 projects and won NameCheap prize			
<b>WiNot - PennApps IX</b> (Jan '14)			
● Wrote responsive user interface for Chrome extension.			
● Designed way to store blacklist and whitelist websites.			

