

# Rohan Mathur

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<b>Education</b>	<b>University of Illinois at Urbana-Champaign</b> Majoring in Computer Engineering	Graduation: May 2017
<b>Experience</b>	<b>Rithmio</b> Champaign, IL Building out Android SDK prototype app for gesture recognition in various usecases. Integrate SDK built using advanced machine learning models to accurately track user's movement.	Software Engineering Intern Fall 2015
	<b>University of Illinois Math Department</b> Champaign, IL Working under Professor Richard Sowers to optimize Android devices at the OS level to function as better long-term data collection and high performance calculation devices.	Undergraduate Researcher Fall 2015
	<b>Offerpop</b> New York City, NY Enhanced several features of their Django stack working heavily with the Django ORM and data analysis. Re-architected the new Flask microservice backend mainly dealing with building REST APIs, building custom authentication libraries via HTTP headers, and much more.	Software Engineering Intern Summer 2015
	<b>Somerset County Library System</b> Bridgewater, NJ Developed a new library website on a stack using Drupal. Wrote custom plugins that interface with an eBook management backend, and wrapper for the existing book database.	Website Developer 2008 – 2013
<b>Projects</b>	<b>AOKP Custom Android Open Source OS</b> - Over 11 million installs Lead developer of custom Android ROM with greater features, updates, and stability. Work involves heavy device hardware enablement, Linux kernel optimization and hacking, and high performance Android frameworks and application development.	2010 – Present <a href="http://aokp.co">http://aokp.co</a>
	<b>LG Optimus G Conversion</b> - Featured on Engadget, The Verge, etc Tool that re-writes the LG Optimus G phone's partition structure with customized hex-edited Nexus 4 partitions, enabling the LG Optimus G to use the Nexus 4's system software.	Spring 2014
	<b>Pocket CUMTD</b> - Over 1,000 downloads One of the official Android applications for the Champaign-Urbana bus system. Features favorites, notifications of incoming buses, iBeacon integration, and an expansive map view.	Spring 2015
	<b>QuickTron</b> - 2nd Place at hackRU 2013 Fall Android app that utilizes computer vision algorithms to do a real-time scanning and grading of ScanTron multiple choice test answer sheets, and then emails score reports to students.	Fall 2013
	<b>whiteboard.js</b> - Top 30 Project at PennApps Winter 2015 Generates a dynamic multi-page website from drawings of a website layout on a whiteboard. Android app captures images of website and uploads it to a server, where computer vision algorithms build and deploy the website.	Winter 2015
<b>Activities</b>	<b>IEEE@UIUC Student Chapter</b> Organize and lead all technical events, ranging from workshops to hardware hackathons.	Technical Events Director
	<b>ACM@UIUC SIGMobile</b> Organize and lead weekly Android app tutorials and competitions for UIUC's ACM chapter.	Chair
	<b>HackIllinois 2016 Team</b> Director of hardware projects. Leading development of a custom PCB and hardware tutorials.	Hardware Director
	<b>Reflections—Projections 2015 Technology Conference</b> Built the Android app for the event. Invited guest speakers and assisted with the event logistics.	Staff