

Rohan Mathur

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| Education | University of Illinois at Urbana-Champaign 2014 - 2018 (expected) Majoring in Computer Engineering, minoring in Business Administration and Mathematics Classes: ECE 110, 120, 220 — CS 173, 225, 465 — MATH 241, 286 — PHYS 212, 213, 214 |
| | Bridgewater-Raritan High School 2010 - 2014 |
| Experience | Somerset County Library System Website Developer Bridgewater, NJ 2008 – 2013 Developed a new website using the Drupal content management system, transitioned data from old website, and reorganized eBook storage backend. http://somerset.lib.nj.us |
| | AOKP Custom Android Operating System 2010 – Present Modified Android open source platform code to have new features, customization options, and greater stability overall. Project has over 10 million recorded installs worldwide. http://aokp.co |
| Projects | whiteboard.js Winter 2015 Generates a dynamic multi-page website running atop a node.js boilerplate from drawings of a website layout on a whiteboard. Just draw the website on a whiteboard, color-code the pages and links, and snap a few picture with our Android app. It will be live and ready to browse within a minute. One of the Top 30 hacks at the PennApps Winter 2015 Hackathon. |
| | Oculus Thrift Fall 2014 Made-from-scratch completely wireless Oculus Rift-esque VR suite, complete with goggles, power glove, and a Myo armband which all together function as a display and mouse for any computer anywhere. One of the Top 30 projects at the PennAppsX 2014 Fall Hackathon. |
| | QuickTron Fall 2013 Android app that does real-time scanning of a ScanTron answer sheet, grades it against an answer key, and then emails a score report. Winner of 2nd place at the hackRU 2013 Fall Hackathon. |
| | StockFeel Spring 2014 Web app that uses past and real-time social media and financial data to predict future stock movement. Winner of Best Bloomberg Hack at PennApps 2014 Spring Hackathon. |
| | DefNotes Spring 2014 Android application that records lectures, identifies keywords within the lecture's content, looks up the definition of those keywords, puts both together into a cohesive study guide, and then emails it to the student. Winner of the Best Live App at the hackBCA 2014 Spring Hackathon. |
| Activities | SIG Mobile Vice Chair Organize and lead weekly Android app tutorials for a large special interest group (SIG) in UIUC's ACM chapter. Work with ACM and other organizations to hold joint events. |
| | HackIllinois 2015 Team Systems Committee Built the HackIllinois coding challenge web app that applicants could do to gain familiarity with various programming languages. Assisted in building the Android application. |
| | Reflections—Projections 2015 Technology Conference Operations Staff Invited several guest speakers and assisted with the overall logistics of the event. |
| Publications | New Jersey Governor's School Research Journal Co-Author of "Exploring Methods to Develop Cross-Platform Mobile Apps" |
| | IEEE Xplore Co-Author of 4 papers, including one detailing a research project conducted in a less fortunate Asian village, and three about STEM education in high schools. |