Rohan Mathur

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Education	**University of Illinois at Urbana-Champaign**	2014 - 2018 (expected)

Majoring in Computer Engineering, minor in Mathematics and Business Administration
Relevant Classes: ECE 110, 120, 220 — CS 173, 225 — MATH 241 — PHYS 212

Bridgewater-Raritan High School   2009 - 2014

Work Experience **AOKP Custom Android Operating System**   Developer

Seattle, Washington   2010 – Present
Modifed Android open source platform code to have new features, customization options, and greater stability overall. Platform has over 9 million recorded installs worldwide. http://aokp.co

Somerset County Library System   Website Developer

Bridgewater, NJ   2008 – 2013
Developed a new content management system, transitioned data from old website, and reworked eBook storage backend.   http://www.somerset.lib.nj.us

Projects **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 PennApps X 2014 Fall 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.

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.

QuickTron   Fall 2013

Mobile ScanTron scanner, grader, and grade reporting application, winner of 2nd place at the hackRU 2013 Fall Hackathon.

Qualifications *Programming Languages*: C++, C, Java, PHP, MySQL

Libraries and Tools: Android SDK/NDK, Node.js, JQuery, 3D Printers

Activities **HackIllinois Staff**   Systems Team

Built the HackIllinois coding challenge site that applicants could complete to get familiarity with various programming languages. Assisted with the developemnt of the Android application.

Reflections—Projections Staff   Staff

Invited several guest speakers and helped with the overall logistics of the event.

IEEE Student Club   Founder & President

Led club in projects including building an autonomous blimp for a local children's museum. Invited guest speakers from industry and academia to talk about their experiences.

Publications **New Jersey Governor's School Research Journal**

"Exploring Methods to Develop Cross-Platform Mobile Apps"

IEEE Xplore

"Computer programming - A building block of STEM"
"Cybersecurity - An integral part of STEM"
"EPICS High: A Digital Literacy Project in India"
"EPICS High: STEM's impact on community service"