Rohan Mathur

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Education

University of Illinois at Urbana-Champaign — 2014 - 2018 (expected)
Dual major in Computer Engineering and Management, minor in Mathematics
Relevant Classes: ECE 198JL, MATH 241, PHYS 212

Bridgewater-Raritan High School — 2009 - 2014
Relevant Classes: AP Computer Science, Calculus 3, Differential Equations, AP Physics C

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, Python, PHP, MySQL, Javascript, HTML5, CSS3
Libraries and Tools: Android SDK, Adobe Suite, MatLab, Mathematica, Node.js, JQuery

Activities

BRHS STEM Club — Founder & President
Invited guest speakers and participated in several engineering-centric community projects.

Engineering Olympics Team — Captain
Led team in several engineering related competitions and events.

BRHS Math and Science Honor Societies — Secretary
Conduct and organize meetings and events for both honor societies.

Publications

Exploring Methods to Develop Cross-Platform Mobile Apps — Gov School Journal

Computer programming - A building block of STEM — IEEE Xplore

Cybersecurity An integral part of STEM — IEEE Xplore

EPICS High: A Digital Literacy Project in India — IEEE Xplore

EPICS High: STEM's impact on community service — IEEE Xplore