

APOORVA SHARMA

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college

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permanent

7434 Buckingham Dr
Clayton, MO 63105

EDUCATION

Bachelor of Science, Engineering anticipated May 2016
Harvey Mudd College, Claremont, CA

Dean's List Commendation, Fall 2012, Spring 2013, Fall 2013

Current GPA: 3.9

Relevant Coursework: Digital Design and Computer Architecture, Experimental Engineering, Introduction to Signals and Systems Engineering, Engineering Mathematics, Data Structures & Program Development, Principles of Computer Science, Introduction to Computer Science, Introduction to Engineering Design

COMPUTER SKILLS

Programming: C++, C, Java, Python, Racket, PHP, JavaScript, HTML/CSS

Software: Mathematica, MATLAB, SolidWorks, WordPress, Excel, Photoshop, Android Development, ModelSim, Quartus

WORK EXPERIENCE

Software Engineering Intern, Velocidata Inc. St. Louis, MO — Summer 2014

- Crafted a suite of tools for parsing, reading, and editing schema-associated binary data. Improved data input framework for high-throughput ETL systems, primarily working in C++.

Computer Science Tutor/Grader, Harvey Mudd College Claremont, CA — Fall 2013 to present

- Personally tutor students taking the Principles of Computer Science course.

Web Developer, The Social Rules Project Claremont, CA — Summer 2013 to present

- Implement interactive web features and develop web presence for the environmental activism Social Rules Project website at rulechangers.org using PHP, JavaScript, and HTML.

Digital Intern, Switch St. Louis, MO — Summer 2012

- Collaborated with Digital Team to develop and maintain dynamic web applications for various companies and non-profit organizations, using WordPress, PHP, MySQL, and JavaScript

Webmaster, CHS Globe St. Louis, MO — June 2010 to May 2012

- Designed, created and maintained online presence of student run publication at chsglobe.com using WordPress, PHP, HTML. Website won National 2012 NSPA Online Pacemaker Award.

PROJECT EXPERIENCE

InControl (First place out of 27 teams at the 5C Hackathon) — Spring 2013 - Summer 2013

- Collaboratively created a web-based system that allows intuitive mouse control through smartphone movement, employing an HTML5 WebSocket framework for connection.
- Individually developed and designed an Android application for this system.

Securing Endotracheal Tubes for Facial Burn Victims (in Intro. to Eng. Design) — Fall 2013

- Designed and developed an effective yet low-cost dental endotracheal tube holder using CAD software and 3D printing. Delivered final prototype and report to Praxis Biosciences.

LEADERSHIP EXPERIENCE

Academic Excellence Tutor, Signals and Systems Engineering — Fall 2014

- Tutor and facilitate students in principles of signal analysis and systems engineering, including Fourier analysis and finite element modeling.