

Rishub Kumar

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Computer Science, UCLA (Class of 2018) || www.linkedin.com/in/rishub

EDUCATION

- ✓ **University of California, Los Angeles, B.S. Computer Science** (Expected 2018) at the Henry Samueli School of Engineering and Applied Science
- ✓ Deans Honor List for superior academic achievement, Fall 2014. Inducted to Alpha Lambda Delta Honor Society and the National Society of Collegiate Scholars (NSCS)
- ✓ **Saratoga High School**, Graduated June 2014, Weighted GPA 4.3

WORK EXPERIENCE

Applied Micro Circuits Corporation (AMCC), Intern

July 2015 – September 2015

Systems/Software Programming Intern in Santa Clara

- ✓ Worked on an in-house validation tool for chip and board level regression. The tool automatically launches pre-configured regressions on multiple boards, generates real-time status, records regression results in MySQL database, and reports results on a web based interactive interface
- ✓ Fixed bugs and added enhancement features to make the tool operational in multiple environments and targets
- ✓ Hands on work in the validation lab, actively involved in DDR functional validation, setting up boards to be tested, changing test conditions, running regressions and reported results in weekly meetings
- ✓ Wrote user documentation and help page for internal wiki posting for tool
- ✓ Tools and languages used include Python, HTML, Cascading Style Sheets (CSS), MySQL, JavaScript

Silicon Valley Coders Club, Co Founder

June 2015 – Present

Co-Founder at Silicon Valley Coders Club www.siliconvalleycoders.org, Saratoga CA

- ✓ Rolled out a collaborative learning platform for the youth via weekly club gatherings
- ✓ Invited Silicon Valley industry executive for the industry insight and youth coders to teach at this weekly club gathering
- ✓ Led hands-on sessions teaching Android/iOS and Python programming; developed tutorials for the club for self-learning
- ✓ Initiated youth led collaborative projects for the community, chamber of commerce, eagle scout projects etc.
- ✓ Held an annual Tech Conference led by youth with panel discussions, hackathons, industry insight, lab sessions and more
 - Elected leaders panel: Policies to foster innovation in Silicon Valley
 - Women in Technology Panel: Girls and Technology - a great combination
 - Industry Executive Panel: Why does Silicon Valley succeed the way it does

Santa Clara University, Intern

February 2013 – December 2013

Intern with Professor Pina, Leavy School of Business, Santa Clara University

- ✓ Conducted statistical analysis and sorting of ten years of data on surfing scores; applying statistics and probability
- ✓ Completed tutorial for the R programming language to analyze data and develop software
- ✓ The research analysis was used by Professor Pina and Gueorgui I. Koley EDHEC Business School to work on a research paper "Feedback and Performance in Tournaments: Evidence from a Natural Experiment"

University of California, Berkeley, Intern

November 2013 – December 2013

Intern with Dr. Gregorij Kurillo, Research Engineer at Teleimmersion Lab

- ✓ Worked with Dr.Kurillo by segmenting audio recordings to build an automated exercise software for elderly

PROGRAMMING SKILLS

- ✓ C++, Python, HTML, CSS, Javascript, MySQL, Java, R, Android and iOS programming
- ✓ Familiar with Linux/Unix environments
- ✓ Basic data types, operators and control structures. Input/Output. Procedural and data abstraction. Introduction to object-oriented software development. Functions, recursion. Arrays, strings, pointers. Abstract data types
- ✓ Computer architecture, assembly language, and operating systems fundamentals. Number systems, machine language, and assembly language. Procedure calls, stacks, interrupts, and traps. Assemblers, linkers, and loaders. Operating systems concepts: processes and process management, input/output (I/O) programming, memory management, file systems.

ACTIVITIES

- ✓ UCLA Marching Band: Group performance of special band arrangements for football, basketball, and many other activities
- ✓ Member of award-winning Saratoga High School Marching Band; performed at the Macy's 2012 Thanksgiving Day Parade
- ✓ Member of Redwood Middle School band that performed at President Obama's Inauguration Day Parade, January 2009
- ✓ Eagle Scout, Troop 581, Saratoga (2013)
- ✓ Hacker and Computer Geek – participated at Stanford University Hackathon, Tech Challenge at Program of the San Jose Tech Museum, Lego Robotics, MSET Club, and more
- ✓ Intern with Senator Jim Beall (March 2013 – December 2013); Chair, Youth Programs at Saratoga Cares Foundation