Saksham Badyal

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Summary

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|  | I am a freshman majoring in computer science looking for opportunities to use my creative thinking to help out companies and organizations in an ever-changing computing world that increasingly affects all parts of our lives.  Github – github.com/sakshamthegreat |

Computer Skills

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|  | Languages   * Java * Python * HTML and CSS |
|  | Software   * Good experience with Illustrator, Dreamweaver, and Photoshop   Achievements   * Worked and built own android game that utilized the accelerometers of the device to control a circle onscreen that was to absorb smaller balls, but to stop itself from being absorbed by larger balls [simple concept that’s easy to learn but hard to master] * Had several different game difficulties levels * Upgraded the game by focusing on making objects on the screen move based on change in tilt rather than the tilt value itself, resulting in higher accuracy, created a panel of high scores, added app linking capabilities to share and post high scores |

Experience

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| June 2017 – August 2017 | [IT Intern], Cavium Inc.   * Helped manage a network of computers and servers, by helping resolve issues such as server downs and other hardware issues * Imaged new laptops and created new images for new laptop models being tested * Helped create a new method of setting up computers through WDS using PXE, reducing downtime by 30% |
| June 2016 – August 2016 | [Software Engineer Trainee],  LinkedIn   * Worked on the NOC team * Helped build a tool that gathered all the information required for SRE teams to communicate with developer teams into one place, which reduced wrongly assigned tickets by 50% * Was in charge of the front-end (HTML, Python), and upon completion, moved to help work on the backend Python) |
| August 2016 – June 2017 | [Co-President],  ACE Coding   * Taught middle schoolers how to create programs in JAVA and use variables, methods, classes, and take in user input in hourly classes weekly that were augmented by optional coursework to be done at home * Managed a three branches with roughly 30 -50 students each * Arranged a coding event called ACE Code Day to allow students to learn how to coding across various topics with over 200 people in attendance |
| August 2015-March 2016 | [Teacher’s Assistant],  Amador Valley High School   * Took on role of auxiliary instructor, answering students’ questions on different concepts as well as helping them iron out bugs in their projects, generally allowing the class to move at a faster pace that normally would have been impossible without my presence * Built the framework for future projects, allowing the teacher to spend more time teaching and less time working on the curriculum * Corrected and created answer keys for tests, helping to iron out faults in and offer clarifications for assessments |
| August 2014 -March 2015 | [Student Teacher],  ACE Coding   * Taught middle schoolers how to create programs in Java about how to use variables, methods, classes, and take in user input in hourly classes weekly that were augmented by optional coursework to be done at home * Managed a class of about 50 children with an 80% retention rate by the end the course * By the end of the course, students were able to make fully working multifunction calculators that could take in user input, repeat themselves, and could be exported to any computer |

Education

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| August 2015 – July 2016 | AP Calculus and AP Computer Science, Amador Valley High School |
| August 2017- | Bachelor of Science, *University of Wisconsin - Madison* |