Jack Sullivan

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EDUCATION

UC BERKELEY
BA in Computer Science and Statistics
Expected May 2018 | Berkeley, CA
GPA: 3.60 / 4.00

LOS ALTOS HIGH SCHOOL
Grad. June 2014 | Los Altos, CA
GPA: 4.34 / 5.00
AP Scholar with Distinction
National Honors Society
Yearbook Academic Editor

LINKS

Website: **jackcsullivan.me**
Github: **jackcsullivan**
LinkedIn: **jack-sullivan**

COURSEWORK

UNDERGRADUATE
• Efficient Algorithms and Intractable Problems
• Introduction to Artificial Intelligence
• Data Structures
• Machine Structures
• Concepts of Probability
• Discrete Mathematics and Probability Theory
• Linear Algebra and Differential Equations
• Multivariable Calculus

SKILLS

PROGRAMMING
• Java
• Python
• C
• Scheme
• MIPS Assembler Language

EXPERIENCE

TESLA MOTORS | Analytics and Systems Intern
May, 2015 - August, 2015 | Fremont, CA
• Developed a Python program which parsed new hire offer letters to ensure key data matches that of the central database: Workday.
• Created reports and dashboards in Workday which included filterable headcount statistics for managers and enabled mobile support for these dashboards.
• Installed validation rules in Workday which threw errors for insufficient information when completing certain processes within the database.
• Utilized a resume parser and created an integration system to insert all employees' education, job history, and language fields into the employee database.

FROM DOORKNOBS TO PICASSO | Undergraduate Research
February, 2016 - Present | Berkeley, CA
• Creating experiments and gathering data to test whether certain subconscious preferences (such as keys or snowflakes) correlate with other, larger interest fields.
• Project currently involves designing and coding interactive experiments on Amazon Mechanical Turk.

UC BERKELEY COLLEGE OF ENGINEERING | Lab Assistant
January, 2015 - May, 2015 | Berkeley, CA
• Aided students in "Structure and Interpretation of Computer Programs" class (CS61A) during lab periods via one on one tutoring with Python coding assignments.
• Topics tutored include recursion, trees, linked-lists, sets, objects, and data abstraction.

FREMONT HILLS COUNTRY CLUB | Tennis Instructor
Summers of 2012, 2013, 2014 | Los Altos Hills, CA
• Instructed junior tennis players from beginners to intermediates.
• Organized daily lesson plans and drills for ages 4-16.

PROJECTS

TL;DR | Google Chrome Extension
October, 2015
• Developed a chrome extension that simplifies highlighted article and webpage text into short/medium/long summaries.
• Focused on the word parser in which organized the text's words and sentences.
• Organized the sentence data and chose to display the most important sentence for the summary output based on the summed ranked values of words in each sentence.
• On Chrome Extension Store: 150 Downloads within 24 Hours.

GITLET | Miniature Version Control Systems
April and September, 2015 | CS61B/CS61C Data and Machine Structures
• Implemented Git similar version control systems in both C and Java.
• Functionalities include add, remove, commit, branch, log, checkout, and merge.

ACTIVITIES

TENNIS AT CAL | Vice President
• One of the leaders and managers of UC Berkeley's largest student run tennis club.
• Organize engaging and instructional tennis drills, develop officer schedules, and promote the organization.

ASUC SUSTAINABILITY TEAM | Project Member
• Generated and implemented water saving projects for a water saving competition between dorms and other sustainable ideas.