

Jack Sullivan

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EDUCATION

UC BERKELEY

BA IN COMPUTER SCIENCE AND STATISTICS

Expected May 2018 | Berkeley, CA

GPA: 3.6 / 4.0

LOS ALTOS HIGH SCHOOL

Grad. June 2014 | Los Altos, CA

GPA: 4.34 / 5.0

AP Scholar with Distinction

National Honors Society

Yearbook Academic Editor

LINKS

Website: jackcsullivan.me

Github: [jackcsullivan](https://github.com/jackcsullivan)

LinkedIn: [jack-sullivan](https://www.linkedin.com/in/jack-sullivan)

COURSEWORK

UNDERGRADUATE

- Efficient Algorithms and Intractable Problems (in progress)
- Introduction to Artificial Intelligence (in progress)
- Data Structures
- Machine Structures
- Concepts of Probability (in progress)
- 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.

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, September 2015 | CS61B Data Structures/CS61C Machine Structures

- Implemented Git similar version control systems in both C and Java.
- Functionalities include add, remove, commit, branch, log, checkout, reset, and merge.

NGORDNET | ENGLISH LANGUAGE TRENDS PROGRAM

March 2015 | CS61B Data Structures

- Developed a word trending graph UI in Java.
- Plots word trends over a defined time period.

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.