

## Jared Baur

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**CERTIFICATION** Cisco CCNA 200-301 (in progress)

**EDUCATION** **Occidental College**, Los Angeles, CA  
*Bachelor of Arts*, Physics Major/Mathematics Minor, May 2019

**EXPERIENCE** **Sales Associate** Dick's Sporting Goods  
June 2019 to Current Tempe, AZ  
Assisted customers by finding specific products and recommending products that fit their needs. Managed the quality and maintenance for 75% of a large two-story sporting goods store.

**Data Analyst** Abbott Laboratories  
June 2018 to September 2018 Sylmar, CA  
Managed large amounts of data on malfunctioned heart pacemaker leads. Also monitored social network publicity of the company by web scraping from Twitter using python scripts.

- Malfunctioned lead data was managed using MS Excel and MS Access. Macros for formatting data were written in VBA (Visual Basic for Applications).
- Web scraping tool used Python library BeautifulSoup version 4.
- MS PowerShell script was used to convert CSV files to XLSX and implement additional visualizations of the data within MS Excel.

**Physics Lab Grader** Occidental College  
January 2018 to May 2019 Eagle Rock, CA  
Graded lab reports for introductory physics classes for one semester. Required knowledge of mechanics, optics, waves, thermal properties, electricity and magnetism.

**Physical Therapy Volunteer** Glendale Adventist Wellness Center  
October 2017 to November 2017 Eagle Rock, CA  
Shadowed Physical therapists through four one-hour appointments a day.

**Research Assistant** Occidental College  
July 2017 to August 2017 Eagle Rock, CA  
Assisted in astronomy research through set up of telescope equipment and assistance of data and imaging techniques.

**Campus Recruiter** CollegeSpring  
September 2016 to December 2016 Los Angeles, CA  
Recruited potential CollegeSpring mentors from Occidental College. This included actively promoting CollegeSpring, talking to hundreds of potential applicants, holding informational sessions, and scheduling interviews.

**Mentor** CollegeSpring  
January 2016 to October 2016 Los Angeles, CA  
Mentored 5 to 6 high school students in SAT-related material and college-preparation material.

**Data Analyst** Weston Solutions  
June 2016 to August 2016 Walnut Creek, CA  
Prepared data for official documents and proposals, researched job sites, and aided in the writing of a large proposal project.

**EXTRA  
CURRICULAR**

**Baseball:** 3-year leader for the Occidental College NCAA D3 baseball team

**GNU/Linux:** Has explored the GNU/Linux operating system for two years. Experience with shell scripting using GNU core utilities/programs as well as init systems such as the SystemD Suite and Runit.

**PROJECTS**

**Concussion Analysis (senior year physics research project):** Dynamic Mode Decomposition mathematical technique used to analyze the forces occurring in the brain on head impact. The modes and frequencies found from the DMD analysis were used to predict probable mild traumatic brain injuries.

**SKILLS**

**Technical:** MySQL (MariaDB), Unix Shell (Sh, Bash, Zsh), L<sup>A</sup>T<sub>E</sub>X, Python, Windows Suite (including Excel VBA).

**Operating Systems:** Unix, Linux, Windows, Android.

**Miscellaneous:** Vim, Git, customer service.

**REFERENCES**

Luke Wetmore, Occidental College Baseball Head Coach, (323) 259-2683

Aaron Milam, Abbott Laboratories Senior Engineer, (626) 695-6903

Charles Oravec, Research Supervisor, Occidental College, (818) 205-6219