

Jared Baur

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EDUCATION	Occidental College , Los Angeles, CA <i>Bachelor of Arts</i> , Physics Major/Mathematics Minor, May 2019
EXPERIENCE	<div><div>Data Analyst June 2018 to September 2018 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.</div><div>Physics Lab Grader January 2018 to May 2019 Graded lab reports for introductory physics classes for one semester. Required knowledge of mechanics, optics, waves, thermal properties, electricity and magnetism.</div><div>Physical Therapy Volunteer October 2017 to November 2017 Shadowed Physical therapists through four one-hour appointments a day.</div><div>Research Assistant July 2017 to August 2017 Assisted in astronomy research through set up of telescope equipment and assistance of data and imaging techniques.</div><div>Campus Recruiter September 2016 to December 2016 Recruited potential CollegeSpring mentors from Occidental College. This included actively promoting CollegeSpring, talking to hundreds of potential applicants, holding informational sessions, and scheduling interviews.</div><div>Mentor January 2016 to October 2016 Mentored 5 to 6 high school students in SAT-related material and college-preparation material.</div><div>Data Analyst June 2016 to August 2016 Prepared data for official documents and proposals, researched job sites, and aided in the writing of a large proposal project.</div></div>
EXTRA CURRICULAR	Baseball : 3-year leader for the Occidental College NCAA D3 baseball team GNU/Linux : Has explored the GNU/Linux operating system for over a year. Experience with shell scripting using GNU core utilities/programs.
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 ^A T _E X, Python, Windows Suite (including Excel VBA macros). Operating Systems : Unix, Linux, Windows, Android. Miscellaneous : Vim, Git.

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