Jared Baur

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EDUCATION

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

EXPERIENCE

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.

Physics Lab Grader — Occidental College
January 2018 to May 2018 — 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 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 occuring 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

Languages: C, Unix Shell, LaTeX, Python.
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