

ETHAN T. BLAKE

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2026 South Hammond Dr. Apt #307 Tempe AZ 85282

SUMMARY

I am a driven and responsible Oregon State Post-Baccalaureate student adept in problem solving and skill development in multiple programming languages, music, teaching and sports. I currently work with Python to create software to run test equipment using python libraries pyvisa, matplotlib, multiprocessing, pandas, and other libraries. I am looking for an internship where I can use my problem solving skills to solve real world problems.

EDUCATION

Arizona State University

Bachelor of Music in Vocal Performance

Graduation May 2018

GPA: 3.84

Oregon State University

Post-Baccalaureate of Engineering in Computer Science

Graduation December 2022

PROFESSIONAL SKILLS

- **Computer Programming:** (Most experienced to least experienced)
 - **Python:** 2 years
 - **Excel:** 2 years
 - **C/Linux:** Operating Systems course
 - **API's:** Microservices course
 - **Javascript/Html/Css:** Web Design course
- **Strong Ethics:** Dependable, honest, loyal
- **Critical Thinking/Problem Solving:** I am one of those weird people who solves Leetcode problems and logic puzzles for fun!
- **Critical Reading:** 159 GRE score, 2100 SAT score

MOST RELEVANT EXPERIENCE

Oregon State University

- **Undergraduate Learning Assistant:** CS 261-Data Structures
 - Office hours/Grading/Proofreading
 - I enjoy helping other people to solve problems

Grid Evolution Technologies Scottsdale, AZ

May 2017-Present

- Writing software for optical fiber test equipment
 - Used pyvisa, pandas, tkinter, and multiprocessing libraries to connect to various equipment and display real time data using python.
 - AQ6331 Spectrum Analyzer
 - Newport Optical Power Meter 1830C
 - Extinction Ratio Meter 100
 - Watlow EZ zone heating element
- Using Excel and Python to filter and model electrical signals in the power grid
 - Signal Processing
 - Developed/Modeled Kalman Noise Filter
 - Developed/Modeled Digital Auto Gain Control

LESS RELEVANT EXPERIENCE

Reading and Math Clinic Chandler, AZ

May 2018-May 2019

Reading Tutor

- Reading tutor for kids struggling with Dyslexia
- One-on-one tutoring experience

Freelance Musician Tempe, AZ

2016 - 2020

*Gig Musician and **Teacher***

- Piano and Guitar teacher, as well as paid Vocalist and Cellist

HONORS AND AWARDS

- Dean's List Arizona State University: All Semesters (2014-2018)
- PSAT National Merit Scholar (2014)