ETHAN T. BLAKE

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EDUCATION

Bachelor of Science in Computer Science   Anticipated December 2022
Oregon State University   GPA: 3.87

Bachelor of Music in Vocal Performance   May 2018
Arizona State University   GPA: 3.84

PROJECTS

Personal Website   GitHub
- Built with Python, Flask, Html5up, and hosted on Vercel

SKILLS

Languages: Python, C, C++, HTML, CSS, MASM 32-bit Assembly, JavaScript,
Technologies: PyVISA, Matplotlib, Tkinter, Pandas, Multiprocessing, Numpy, Ctypes, Cuda, OpenCL, Open MP Parallel Programming, Open MPI Parallel Computing, Linux, APIs, Flask

WORK EXPERIENCE

Undergraduate Learning Assistant: Data Structures   September 2021 – Present
Oregon State University
- Assist students during office hours, grade homework, and proofread assignment prompts and rubrics
- Developed python style guide for students

Software Developer   May 2020 – Present
Grid Evolution Technologies, Scottsdale, AZ
- Write software for optical fiber test equipment
- Utilize PyVISA, Pandas, Tkinter, Matplotlib, and Multiprocessing to connect equipment and display real-time test data
- Leverage Excel and Python to filter and model electrical signals, including signal processing, Kalman noise filtering, and digital automatic gain control