ALEX EIDT

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SUMMARY OF QUALIFICATIONS

Software/Hardware:
- Programming in C/C++/Go/Java
- Image Processing and Scientific Computing in Python
- Software Design Patterns and Object Oriented Design
- Computer Architecture
- Verilog HDL Development on FPGAs
- Real-time, Multi-threaded and Parallel Software Systems
- Audio Programming and Digital Signal Processing
- Strong electrical system and Software debugging skills

Interpersonal:
- Excellent written and verbal communication
- Collaborative worker with leadership experience
- Open minded and enthusiastic about new technologies and prototyping

EDUCATION

University of Washington (UW), *Seattle, WA | October 2018 - December 2021*
Bachelor of Science, Electrical Engineering
> *Data Structures and Algorithms, Systems Programming, Digital Signal Processing, Digital Logic, Computer Architecture, Embedded Computing Systems*

Teaching Assistant
> *Intermediate Data Programming (Python), January - August 2021*

RELEVANT EXPERIENCE

Open Source Developer, Github, *February 2019 - Present*
- Creator of 26 open source projects. 550+ stars, 10000+ downloads, 25+ forks.
- Developed a chess engine in C with a GUI in C++.
- Maintainer of a popular Golang package for cross-platform multimedia I/O. 300+ stars.
- Developed a real-time color ASCII renderer in Python using Numpy vectorization.
- Developed a course planning web app for the University of Washington. Presented project to UW's Academic Experience Delivery Team. 5000+ monthly visits. https://alexeidt.pythonanywhere.com/

Web Developer, UW Solar, *Seattle, WA | October 2018 - September 2020*
- Created UW Solar website using Vue.js and Node.js with a fellow computer science undergraduate. http://uwsolar.be.uw.edu/
- Held weekly meetings with club officers, faculty, and UW Web developers to guide website design and host easily maintainable sites.
- Lead an interdisciplinary team to create a proposal and energy audit for a ground mounted solar array at the Manastash Ridge Observatory.