JEREMY LUA

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SUMMARY OF QUALIFICATIONS

- Excellent communication skills; expresses ideas clearly and concisely
- Hard working and focused; always meets deadlines by being efficient
- Very adept learner; applies knowledge gained in a quick and productive manner

EDUCATION

The University of Michigan – Ann Arbor – College of Engineering
Bachelor of Science, Computer Science Engineering   Graduation Date: April 2019

Cumulative GPA: **3.985/4.0**   Major GPA: **4.0/4.0**
Relevant Coursework:

- Introduction to Operating Systems (C, C++)
- Web Systems (Javascript, Python)
- Introduction to Artificial Intelligence (Python)
- Data Structures and Algorithms (C, C++)
- Object-Oriented and Advanced Programming (C, C++)

EXPERIENCE

Amazon Lab126: Software Development Engineer Intern (May 2018 – August 2018)
Alexa Voice Services Project: The Viability of the Opus Audio Codec on the ESP32 MCU

- Cross-compiled Opus Audio Codec on the ESP32 running FreeRTOS (C)
- Designed applications to test Opus encoding and decoding with multiple parameters
- Gathered important metrics (CPU, RAM, DMIPS) on ESP32 performance running Opus
- Contributed to research that would implement voice calling through Alexa on low-cost, low-power SoC's

Personal Website Development (July 2017)
Individual Project

- Designed and implemented a responsive personal website from scratch with HTML/CSS(Bootstrap), and Javascript
- Catalogued a list of personal music covers for people's enjoyment

ACTIVITIES

- Member of Premier All-male A-cappella Group, the Michigan G-Men (2015 – Present)
- Captain for Intramural League Volleyball, Flag Football, Dodgeball, Wallyball (2015 – Present)
- Member of Harvest Missions Community Church (2015 – Present)

HONORS

- Regents Merit Scholarship (2015-2016), Ashkins Merit Scholarship (2016-2017), Lawser Merit Scholarship (2017-2018), Bandemer Merit Scholarship (2018-2019)
- William J. Branstrom Freshman Prize through the College of Engineering (2016)
- James B. Angell Scholar (2017), EECS Scholar Award (2018)

ADDITIONAL NOTES

- Familiar languages/frameworks – C++, C, HTML/CSS, Javascript, Python, Flask, SQL, React
- Immersed in fitness – I play multiple sports and weight lift on a daily basis.
- Passionate about music – I sing, play guitar, and record song covers in my free time.