**Jack van Welzen**

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**OBJECTIVE**

Seeking work experience in Mechanical Engineering to apply and develop my problem-solving and collaboration skills.

**EDUCATION**

**North Carolina State University,** Raleigh, NC

B.S. in Mechanical Engineering, Cum. GPA: 4.302 Expected May 2021

**Leesville High School,** Raleigh, NC

5.25 Weighted GPA June 2017

**WORK/LEADERSHIP EXPERIENCE**

**Software Engineering Intern, NVIDIA,** Durham, NC May 2018-August 2018

* Formulated techniques for creating video game event logs.
* Tested robustness of event detectors on multiple popular games.
* Wrote documentation and presented information about game events for the company to use after my departure.

**Engineering Study Group Leader,** Raleigh, NC September 2017-December 2017

* Helped teach members Calculus 3 as well as motivate them to do work.
* Planned meeting times and locations to fit all participants’ schedules.

**Piano Instructor,** Raleigh, NC May 2016-August 2017

* Taught several students the fundamentals of music theory, sight-reading, and performance weekly.
* Developed lesson plans for current and potential students.
* Organized and planned lesson times to fit both my schedule and the students’ schedules.

**SKILLS**

**Technical: Other:**

Experienced in Microsoft Office Strong collaborator and communicator

Skilled in AutoCAD and SolidWorks Highly self-disciplined worker

Familiar with MATLAB Passionate problem solver

Familiar with JSON and JSON Schema

**ACHIEVEMENTS AND ACTIVITIES**

University Honors Program Student August 2017-Present

National Honors Society and Math National Honors Society August 2016-June 2017

Music Composition and Performance August 2010-Present