

Andrew Vetter

ScientificPineapple.com | www.linkedin.com/in/andrewjvetter

Computer Engineering Internship or Co-op

Education **Computer Engineering, B.S.** **Expected May 2020**
Computer Science Minor
North Dakota State University, Fargo, ND
GPA: 3.53/4.0

STEM Experience **Part-Time Student Electrical Engineer** **March 2017 – Present**
John Deere Electronic Solutions, Fargo, ND

- Developed python and bash scripts and tools that improve the effectiveness of other engineers
- Communicated with coworkers to migrate Jenkins instances and Mercurial repositories
- Manage and prioritize time and tasks between multiple supervisors.
- Improved and maintained continuous integration methods including Jenkins.

First Lego League Outreach Coordinator **August 2017 – March 2017**
NDSU College of Engineering, Fargo, ND

- Organize the FIRST Lego League (FLL) Qualifiers in Fargo-Moorhead area for 60 teams.
- Successfully manage NDSU outreach equipment that is used by various groups
- Manage a \$5,000 budget donated by sponsors
- Recruit and manage 50 volunteers for the FLL Qualifiers.

Assistant STEM Outreach coordinator **Feb. 2017 - Aug. 2017**
NDSU College of Engineering, Fargo, ND

- Successfully managed time administrating between 5 STEM camps/events.
- Taught engineering and Computer Science concepts to K12 Students in Robot Rumble, Gear Head Jr, STEM Bootcamp Design hour, Mentors in Engineering.
- Effectively Communicated information needed to participants, staff, and instructors.
- Organized and maintained detailed documents for each outreach event.
- Outreach events include STEM Kids, PLTW, STEM Bootcamp, BrainSTEM, Mentors in Engineering.

Undergraduate Research Assistant **May 2016 - Aug. 2017**
Electrical Engineering Dept., NDSU, Fargo, ND

- Collaborated in group discussion about redesigning spectroscopy device.
- Software analysis and development to improve functionality of product.
- Design electrical circuits and circuit boards to be used in spectroscopy device.
- Organized detailed documents about research and standard operation procedures.

Leadership Experience **STEM Bootcamp Head Residence Assistant** **Jun. 2017**
NDSU Fargo, ND

- Interviewed, hired, and managed 4 Residence Assistants .
- Effectively managed a \$15,000 budget for the camp .
- Taught a morning STEM Class for the camp's 20 participants.
- Organized outings for the participants.

Bison Robotics, Project Manager Officer **May 2017 - Present**

- Oversee all competitive/non-service related projects
- Encourage productive project meetings that aided new members for joining the projects
- Contribute ideas, wiring skills, and mechanical design skills for the robot in 3 days projects
- Integrated encoders to the autonomous snowplow project in C++

Skills Computer Languages: Java, C/C++. VHDL, Python
Software: Creo 3, Microsoft Office, Linux, Command Line/terminal, Netbeans, Matlab, Quartus
