

STONN C. BILLY

Flagstaff, AZ 86005 | (928)640-0856 | Stonnbilly@icloud.com

Skills Summary

- Soldering Electrical Boards
- Cell Phone Repair
- MatLab
- Microsoft Office
- Problem-Solving/Critical Thinking
- Composite Lay-Up (Carbon and Fiber Glass)
- Operating Faro Arm Quantum (Metrology)
- Polyworks (Software)
- SolidWorks
- Fusion360 (Modeling and CAM) and AutoCAD
- Final Inspecting
- 3D printing (Cura)
- CNC machining (Axiom)
- High-Powered Rockets
- RockSim (Simulation)
- Material Testing and Analyzing
- CATIA
- BOEING Software's (IVT, REDARS, & etc.)

Education

Northern Arizona University (NAU), Flagstaff, Arizona - Anticipated Graduation Date December 2025

I completed some engineering courses at NAU during my time there. My interest in my degree is Aerospace. I joined the rocketry club at NAU to expand my knowledge of aerospace and competed in the First Nation Launch which my team took 3rd in the Mars Challenge. In my core curriculum at NAU, I was taking Material Science (ME240) and learning about the structure of materials, which I anticipate would be a necessary skill for designing aerospace aircraft. I have competed in the First Nation Launch competition twice now.

Coconino Community College (CCC), Flagstaff, Arizona - Associate of Science 2021

I completed my general education classes at CCC and transferred to a 4-year University (NAU). I finished Calculus I, II, III, Differential Equations, University Physics I, and several engineering courses like Introduction to Engineering and Introduction to Programming, where I began using Matlab at CCC.

Greyhills Academy High School (GAHS), Tuba City, Arizona - Diploma 2015

I graduated with a 3.7 GPA, being the second student out of 50 students in my class. I played basketball my four years, cross country for four years, and track & field for four years. I received awards for student-athletes in the sports I joined.

Experience

Mike Barclay – Boeing 777X Internship (Everett, WA)

Intern – Student Engineer (Mechanical & Structural) / May 2024 – August 2024

My priorities here at Boeing as an intern is to learn as much as I can about the company. I interned as a design engineer for the 777X Wing/Empennage. I contributed to different projects during my time at Boeing and connected with other professional engineers to help expand my knowledge in Aerospace. My responsibilities were to investigate issues that arose in the factory and speak with engineers and mechanics to come up with a solution. Which would require design changes either in CATIA or on drawings.

Mike Barclay – Boeing 767 Internship (Everett, WA)

Intern – Student Engineer (Mechanical & Structural) / May 2023 – August 2023

My priorities here at Boeing as an intern was to learn as much as I could about Boeing. This was a summer internship. I took a training course to help navigate through Boeing software. Training I took here were CATIA, IVT, ENOVIA, and REDARS. Throughout the summer I was given different tasks and projects to complete. This helped me get familiar with the software with the tasks I worked on and to communicate with my team when I had questions about the work I was given. I took advantage of courses and tours Boeing offered for interns throughout the summer which I greatly enjoyed.

Jim Corning – Novakinetics Aerosystems (Flagstaff, AZ)

Engineer Technician / January 2020 – May 2023

My duties included quality, composite lay-up, and engineering. I inspected composite parts before shipment and calibrated tools for quality, ensuring all aspects conformed to customer requirements and AS9100 certifications. I was grateful to be a part of the engineering meetings and to work with Mechanical Engineers. This included solving problems and making the processes efficient. I was allowed to create a Tailcone for a customer (Air Tractor) and create a strategy to layup, inspect, and construct documents. The process included laying prepreg fiberglass into the mold, machining the core foam for stiffness, making a cut file for the CNC machine, and bagging the part to be pressurized in the autoclave.

Zach Ellman – JustWireless (Flagstaff, AZ)

Sales and Head Technician / January 2019 – January 2020

After Chad Cook sold GadgetPhix to Zach Ellman, I was promoted to Head Technician for JustWireless. My duties included being a sales representative, a lead technician in cellphone repair, and customer service. As the lead repair technician, I was given complicated repairs, such as soldering micro components, minor software issues, and diagnosing hardware.

Chad Cook- GadgetPhix (Flagstaff, AZ)

Repair Technician / September 2017 – December 2018

My duties were repairing cell phones, diagnosing technical problems, and communicating technical information to customers. Repairs included cell phones, consoles, and tables. Soldering was also required for more specialized and complex repairs.

Awards and Service

First Nation Launch 2023

Northern Arizona University (SpaceJacks) rocketry club took 3rd place at First Nation launch. I was the team lead for that year's rocketry competition. It involved teamwork, communication, problem-solving, and responsibilities. We launched our rocket in Kenosha, Wisconsin. We had to simulate, fabricate, do material testing, and write reports throughout the school year as part of the competition. The rocket was entirely made from Carbon Fiber except for the Nose Cone which was made from Fiberglass to help with transmissivity for the GPS that was located in the Nose Cone.

National Honors Society

I was a part of the National Honor Society in high school for three years.

Certified Cellular Master Technician

Certificated Repair Technician – Level I, II, III (2019)

Native RISE - Fall 2021 to Spring 2022

I volunteer at a Native Dormitory in Flagstaff, AZ. I mentor high school students and help them navigate life as Native students. We have discussions like peer pressure in high school, plans after high school, and any stress or problems in their lives.