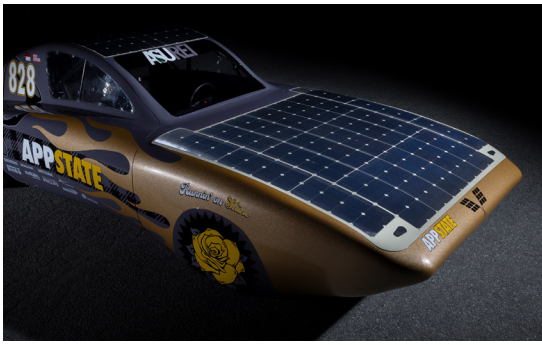

BLAEZJIBBEN UNDERGRAD STUDENT

e: jibbenbm@appstate.edu • c: (309) 712-1414 • p: blaezj.github.io

EXPERIENCE

APP STATE SOLAR VEHICLE TEAM - TEAM SUNERGY
EMBEDDED SYSTEMS ENGINEER: SEPTEMBER 2022 - Present

- Learned to work with a team of individuals with numerous different electrical and operational backgrounds to work towards the repair and improvement of a solar vehicle, including gaining skills such as soddering for parts currently in the car, and interfacing with CAN lines around the car.
- Developed an Driver Display, the first working display in ROSE, to display important diagnostics drivers needed in ROSE.
- Committed myself to begin to learn Python, Dart, and C++ to better overall improve my knowledge of the car, which allowed me to work on my own projects revolving around the vehicle.
- Attended FSGP 2023, FSGP 2024, and ASC 2024, week-long events with Team Sunergy, where we competed with other teams to test the limits of the sustainability of our solar vehicle. We not only placed on the podium in all three events, but the competitions also tested the team's resilience, as well as my own personal work ethic, patience, and drive in a mentally and physically draining environment.

PROJECTS FOR THE CAR:
- Driver Display, a UI made with a Raspberry PI and a PI Hat and Display board, which interfaces with the CANBus to decode data, and then display that data. Developed in python.
- RF Telemetry Transmission, a project currently in progress, working with Digikey XBee modules to transmit data over long distances. In C/C++ and Arduino, as well as Web Applications.
- An indepth look and further projects can be found on my online portfolio, hosted on github pages at blaezj.github.io.

APPALACHIAN SOCIETY FOR COMPUTING, INFORMATICS, AND INNOVATION (ASCII)
PRESIDENT: April 2024 - Present

- Orchestrated regular meetings to foster a community of students passionate about computer science, encouraging knowledge sharing and collaborative learning.
- Started club projects- where members would start a project at the beginning of the semester, pursuing computer science principles such as Pair Programming to develop t their computer science skills.
- Led workshops in HTML/CSS to develop interests of club members in Computer Science.
- Leading a team of officers to develop and grow the club for the current Fall Semester.

PLEMMONS LEADERSHIP SCHOLARS
PLEMMONS SCHOLAR: August 2022 - Present

- Applied in Spring 2022, and was admitted in the Fall 2022 into an exclusive leadership cohort at Appalachian State University dedicated to building and equiping future leaders with valueable skills to make an impact in both local and larger communities

QEP COMMITTEE STUDENT REPRESENTATIVE
- Worked with professors and scholars to discuss and review methodology on how to better improve climate literacy around campus.
- Joined a research subcommittee which will be focused on improving research opportunities and general awareness of such research to interested persons.

EDUCATION

APPALACHIAN STATE UNIVERSITY
Major: Computer Science
Graduate: June 2026
GPA: 3.78
Extracurriculars: Plemmons Scholars, Team Sunergy, ASCII

HOLLY SPRINGS HIGH SCHOOL
Graduated: May 2022/GPA- 4.3
Awards and Honors
- DECA Districts 2021/22 Top 10 in HLM
- AP Scholar with Honor

COMMUNITY SERVICE & VOLUNTEER WORK

APPALACHIAN STATE LGBT CENTER
GENERAL VOLUNTEER/DESK WORKER
JANUARY 2023 - MAY 2024

- Helped maintain a safe space for members of the LGBTQ+ community while aiding in the setting up of events for the center

ALTERNATE SERVICE EXPERIENCE
VIRGIN ISLANDS - JANUARY 2024

- Recieved a scholarship to spend a week on St. John with a group of volunteers focusing on conservation around the island
- Aided in removing invasive species, eating sustainably, and camping to promote a sustainable lifestyle

GENERAL SKILLS
- Adobe Softwares
- Communication
- Organization
- 3ds Max Certified
- Leadership and Teamwork

CODING LANGUAGES
- Expierenced: C/C++, Python, and Java
- Beginner: Dart & HTML

GITHUB PAGE AND PORTFOLIO
- Github: https://github.com/blaezj
- Portfolio: https://blaezj.github.io/