

TAJUAN D. PICKETT-PINEX

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EDUCATION

University of Illinois at Urbana-Champaign 3.88/4.0

May 2027

Bachelor of Science in Electrical Engineering

St.Charles North High School 4.9/5.0

August 2018 - May 2022

EXPERIENCES

Constellation| Design Electrical Engineer Intern

June 2023 -August 2023

- Contributed to progression of an engineering change
- Created a power cable and soldered banana jacks to electrical whips to ease MSIV testing
- Helped organize an intern ran philanthropic event and volunteered to service to We Care of Grundy County

Morrill Engineering Program (MEP) | Peer Mentor

January 2023 - Present

- Traveled to Guatemala with other peer mentors for leadership training
- Shared resources, opportunities, and activities to support mentee's learning and development
- Supported younger peers through one-on-one sessions, determining aspirations, setting goals and working through challenges

Illini Solar Decathlon | Photovoltaics & Electrical Systems Sub team Co-Lead

January 2023 - Present

- Worked as an interdisciplinary team to design a two-story home for a family with a disabled member. Built skills for Net-Zero building for the Solar Decathlon Challenge 2023
- Included an innovative architectural design, efficient HVAC system, photovoltaic power generation, high-efficiency water systems, smart lighting, appliances and home automation, and construction and financial planning
- Working in tandem to lead ISD's Photovoltaic & Electrical Systems team

Stillwell Power Group | Undergrad Research Assistant

August 2023 - Present

- Conducting research on solar array irradiance variations in solar PV panels with variable physical orientations
- Participated in formal electrical, Power lab training in order to safely protect lab equipment, others and myself in any lab error situation

National Society of Blacks in Engineering | Member

January 2023 - Present

- Dedicated to increasing culturally responsive black engineers to excel academically
- Obtained with study skills and feedback from mentors and workshops

Global Service Learning

September 2022 - January 2023

- Designed a brochure for an organization, Tukuy Pacha, whose mission is to serve disenfranchised, disabled citizens of Bolivia
- Scheduled meetings with faculty of Tukuy Pacha and peers to drive mission and values of institution.
- Traveled to Bolivia to present brochure

Mech SE Makers Work Lab| Volunteer

February 2023 - May 2023

- Volunteered to fulfill Grainger Illini mission of providing equal opportunity for peers to learn and properly utilize the equipment that is provided (3D printers and laser cutters), while also preserving a clean, organized, and safe atmosphere that impresses and motivates peers, alumni, contributors, visitors, and future users

PROJECTS

- Senior year of HS tasked with building a self-powered vehicle (solar powered)
- ECE 198 James Scholar Project- Planned and worked on process of designing and building a beat synthesizer

SKILLS & CERTIFICATES

- RAD worker certified
- IEEE Power electronics lab certified
- ILC DEI leadership certified

Cura, Print reading, Soldering, Problem solving, Adaptability, Research, Data tracking, Event planning, Attention to detail, Critical thinking, Questioning attitude