JAQUAN STARLING

202-643-1579 | jaquanstarling@gmail.com | www.jaquanstarling.com

EDUCATION

Florida International University, Miami, FL | Graduated 2022
Bachelor of Science in Interdisciplinary Engineering | GPA**:** 3.55/4.0

WORK EXPERIENCE

MITRE, McLean, VA | Jun 2022-Present
Associate Business Process Engineer
- *United States Geological Survey (USGS) Seedling Project; May 2022 – July 2022*
  - Scoped out requirements, created frequently asked questions (FAQ) documentation, and built the outline for the competition roadmap as key communication tools for the sponsor's website.
- *Veterans Affairs Promise to Address Comprehensive Toxics Project; July 2022 – Sept 2022*
  - Drafted a battle rhythm template for sponsor and project team that assisted in establishing a daily cycle of command, staff, and unit activities.
- *Veterans Affairs Office of Resolution Management, Diversity & Inclusion; Sept. 2022 – present*
  - Responsible for designing as is external complaints lifecycle process across different veteran affairs administration
  - Facilitated collaborative working session with team members to define the scope of the team's initial activities and create stronger interpersonal relationships
  - Supported governance team by composing an initial facilitation guide outlining the run-down of focus group interviews.

Verizon, Tampa, FL | Jun 2021–Aug 2021
Data Center Operations Intern
- Improved Data Center equipment air flow models to reduce power consumption by 15% saving $3050 in costs.
- Updated and reviewed AutoCAD reports to reflect current building electrical control systems.

Next Era Energy, Miami, FL | Jun 2020–Aug 2020
Thermal Analysis Intern
- Developed an algorithm using Python to automate and analyze large data sets from a mesh network.
- Assisted in modeling a 25-foot service water bypass line from a piping and isometric drawing using Caesar II.

National Science Foundation, Miami, FL | May 2019–Aug 2019
Hardware Engineering Intern
- Engineered a low-cost finger-based heart rate sensor to provide an economical solution for blood pressure prediction.
- Collected and analyzed experimental pulse data to determine device efficiency.
- Presented Blood Pressure Prediction research at FIU's College of Engineering Summer Research Symposium.

PROJECT EXPERIENCE

Energy Grid Decision Making Under Long Term Climate Hazard Uncertainty | Aug 2021–May 2022
- Built an interactive map of Miami Dade County displaying 81 zip codes with information about climate hazards, solar panel investment information, and infrastructure recommendations.
- Arranged 5 stakeholder interviews to evaluate project scope, enlist feedback, and determine stakeholder needs.

Assistive Communication App | Mar 2021–Apr 2021
- Designed a graphical user interface application using Python and Tkinter for children with communication disabilities.
- Implemented user feedback into application design resulting in a more accessible app.

Predictive Policing in Artificial Intelligence (AI) | Mar 2021–May 2022
- Led a seven-person team to establish project scope, timeline, and newsletter considerations.
- Conducted literature review on the intersection between racial justice and artificial intelligence technologies.

HONORS

Featured in Florida International University Newspaper Article | Mar 2022
Artificial Intelligence Research Fellow | Apr 2021
Public Interest Technology Fellow | May 2020

SKILLS & INTRESTS

Skills: Design Thinking, Strategic Planning, Technical Writing, Storytelling, Market Research
Interests: Writing, Yoga, Cooking