

JAQUAN STARLING

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EDUCATION

Florida International University, Miami, FL Graduated 2022
Bachelor of Science in Interdisciplinary Engineering GPA: 3.55/4.0
Minor: Computer Science Honors College | Dean's List

WORK EXPERIENCE

MITRE, McLean, VA Jun 2022-Present
Associate Business Process Engineer

United States Geological Survey (USGS) Seedling Project

- 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 Act

- Conceptualized and designed a battle rhythm visualization for the team that assisted with establishing a daily cycle of command, staff, and unit activities for 87 employees.
- Initiated discussions of design thinking methodologies to incorporate into project by creating customer journey maps and user personas that would better understand the customer experience.

Veterans Affairs Office of Resolution Management, Diversity & Inclusion

- Responsible for designing as is external complaints lifecycle process across different veteran affairs administrations.
- 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.
- Communicated key takeaways and best practices to senior leadership.

National Science Foundation, Miami, FL May 2019–Aug 2019

Biomedical Research 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.

SKILLS & INTERESTS

Skills: Design Thinking, Strategic Planning, Technical Writing, Storytelling, Stakeholder Interviews, Process Improvement

Interests: Writing, Yoga, Reading