KEVIN MENDOZA TUDARES

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EDUCATION

Northwestern University, Evanston, IL

Robert R. McCormick School of Engineering and Applied Science   June 2022 (anticipated)

Bachelor of Science in Computer Science,   GPA: 3.922/4.000

Relevant coursework:

    Human-Computer Interaction, Machine Learning, Affective Computing
    Data Structures, Algorithms, Discrete Mathematics

TECHNICAL SKILLS

Programming Languages: Java, C#, Python, C++, C, JavaScript, Ruby

Other tools/skills: PostgreSQL, Elasticsearch, Node.js, React, Angular, Unix

Languages: English (fluent), Spanish (conversational)

WORK EXPERIENCE

RigUp - *Software Engineering Intern,* Austin, TX   **Summer 2020**

TIILT Lab - *Research Assistant,* Evanston, IL   **August 2019 - Present**

- Developed multimodal interfaces for eye tracking and speech recognition using Java, Python, and C# to allow gaze and voice interaction in Minecraft. Led a series of user testing sessions with local students.
- Coordinated studies with groups of 10 students for understanding cognition, spatial reasoning, and computational thinking with applications to multimodal interfaces and human-computer interaction.

Argonne National Laboratory - *Data Science Research Intern,* Lemont, IL   **Summer 2019**

- Designed a PostgreSQL database and management scripts using Python for data from more than 100 sensor nodes. Analyzed environmental data to identify urban phenomenon and presented to over 30 researchers.
- Formulated a machine learning calibration model for correcting sensor error with Python and scikit-learn. Reduced temperature sensor error by nearly 60% using sunlight and humidity time-series data.

LEADERSHIP

Society of Hispanic Professional Engineers   **October 2018 - Present**

- Currently serving as Vice President by managing over 20 general members and promoting collaboration with other Northwestern student groups and local SHPE chapters for regional SHPE initiatives.
- Maintained ease of operations at both executive and general meetings as well as presented and promoted chapter events and academic and career opportunities at general meetings for members.

National Society of Black Engineers   **October 2018 - Present**

- Served as Pre-College Initiative Chair by promoting younger African American students towards academic excellence and enthusiasm pursuing STEM degrees and careers.
- Encouraged and maintained relationships between collegiate and junior NSBE chapters through outreach and volunteering for local events benefitting younger students in Chicago.

PROJECTS

Multicraft, psiAssistiveAgent, Spotimy, SmartCloset, DuraCot

(details for each project can be found at kevinamendoza.github.io)