KEVIN MENDOZA TUDARES kevinmendozatudares2022@u.northwestern.edu
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EDUCATION

Northwestern University in Evanston, IL
Robert R. McCormick School of Engineering and Applied Science **September 2018-June 2022 (anticipated)**
Bachelor of Science in Computer Science, GPA: 3.922/4.000
Relevant coursework:

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

TECHNICAL SKILLS

Programming Languages: Python, Java, SQL, C#, C++, C, JavaScript, Bash, MATLAB, HTML/CSS
Tools: PostgreSQL, Snowflake, Cassandra, Google Cloud Platform, AWS, Git, Unix, Docker, Kubernetes, Airflow, dbt
Frameworks and Libraries: Node.js, React, Angular, Tensorflow.js, Flask, PyTorch
Languages: English, Spanish

WORK EXPERIENCE

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

- Implemented a Flask metadata platform to assist RigUp's Data Engineering and BI teams with data discovery.
- Deployed application to Google Cloud Compute Engine utilizing a containerized microservice architecture.
- Built and optimized serverless functions and Airflow DAGs for managing and automating metadata ingestion and transformation from Snowflake and Tableau using Python.

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

- Developed interfacing systems for eye tracking and speech recognition using Java, Python, and C# to facilitate multimodal interaction in Minecraft servers by utilizing a series of user testing sessions with local students.
- Coordinated studies with groups of 10 students for understanding cognition and computational thinking.
- Analyzed behavioral data with applications to multimodal interfaces and human-computer interaction.

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

- Designed a PostgreSQL database and management scripts using Python for data from over 100 sensor nodes.
- Analyzed and visualized environmental data to find urban phenomena 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 in nodes by nearly 60% using sunlight and humidity time-series data.

LEADERSHIP

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

- Currently serving as Vice President to manage over 20 general members and to promote collaboration with other Northwestern student groups and local SHPE chapters for regional SHPE initiatives.
- Maintained ease of operations at both executive and general meetings.
- Promoted chapter events including academic and career opportunities at general meetings for members.

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

- Served as Pre-College Initiative Chair to inspire younger African American students to pursue STEM degrees and careers and apply themselves academically.
- Maintained relationships between collegiate and junior NSBE chapters through outreach events and volunteering initiatives for the benefit of younger students in Chicago.

PROJECTS

Amundsen, Spotimy, SmartCloset, Multicraft, psiAssistiveAgent, DuraCot
(details for each project can be found at kevinamendoza.github.io)