

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.me)