Kaitlin Smith

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EDUCATION **GPA: 4.0**

University of Denver, Denver, CO **Expected Graduation: June, 2022**

Daniel Felix Ritchie School of Engineering and Computer Science

Bachelor of Science Computer Science and Mathematics

SKILLS

Competent in Java and Python. Basic skills in MongoDB, PostgreSQL, Neo4J, Redis, C, C++, and Matlab. Experience with Linux platform and Docker. Completed Courses in Data Structures and Algorithms, Computer Organization, Systems Programming, NoSQL Databases, and Mathematical Proofs.

PROFESSIONAL EXPERIENCE

CACI, Denver, CO **June 2020 – September 2020**

Artificial Intelligence Research Intern

• Developed an image dataset from aerial footage using active learning. Developed and tested scoring functions to choose the most relevant images to include in the dataset for manual labeling. Trained iterations of an object detector using Pytorch. Developed code with a team using the agile software design workflow.

Knobel Institute of Healthy Aging, Denver, CO **July 2019 – December 2019**

Research Assistant

• Worked towards early diagnosis of Parkinson's disease by both implementing code in Matlab to align signals using gap insertion and Dynamic Time Warping and designing a fully automated positive pressure Capillary Zone Electrophoresis through rapid prototyping and interfacing with Labview.

EXTRACURICULAR ACTIVITIES

Alpha Phi Omega Community Service Organization, Denver, CO **September 2018 – Present**

Vice President of Leadership

• Organizes leadership and career focused events while encouraging pollical participation and leadership within our community. Completed over 50 service hours at events, such as making and giving out PB&J sandwiches to the homeless and leading Girl Scouts to receive STEM badges

Engineering Grand Challenge Scholars Program Cohort Two **April 2019 – Present**

Member

• Participating in research working towards the early diagnosis of Parkinson's disease. Completing a curriculum focused on service learning and interdisciplinary courses.

HONORS AND AWARDS

University of Denver, Denver, CO **November 2019**

Partners in Scholarship Award

• Awarded funding towards research in developing an algorithm for electropherogram alignment.