BRIELLE G. YOUNG

bgy5@cornell.edu | (310) 613-8225 | in/brielleyoung | github/brielle-young

EDUCATION

Cornell University | College of Agriculture and Life Sciences, B.S. Information Science & Statistics   Expected May 2027
Syracuse University | Major: B.S. Applied Data Analytics & Business Management | GPA: 3.96   Aug 2023-May 2024

SKILLS

Certifications: Microsoft Office Excel (Sept. 2023), Machine Learning Foundations (Cornell University)
Technical: Python | R | Machine Learning | Data Collection | JavaScript | Data Analysis
Applications: MS PowerPoint | MS Word | MS Excel | Canva | Figma

PROFESSIONAL EXPERIENCE

AI Studio Fellow   August 2024-Present
Mila | Quebec, Canada
Develop a multi-label regression model that trains environmental and local data to predict bird species encounter rates that improve upon the baseline model. Leverage supervised learning techniques (multi-layer perceptron) for multi-label regression on 670 bird species and 29 climate/location features.

Livestock and Crop Emissions Data Research Assistant   August 2024-Present
Food Systems and Global Change Team at Cornell University | Ithaca, NY
Perform preprocessing and cleaning of a meta-dataset of N2O emissions. Calculate emissions rate and nitrogen rates, scraping through papers to gather information on 47 location, climate, and chemical features for over 225 experiments.

Marine Conservation Extern   May 2024-July 2024
The National Geographic Society + The Nature Conservancy | Rolling Hills, CA
Research Harmful Algae Blooms (HABs) in Southern California and perform a literature review on HAB related-issues. Identify local conservation issues and develop an ArcGIS StoryMap to illustrate local conservation solutions to professionals in the field.

Undergraduate Research Assistant   Jan 2024-May 2024
Bioacoustics and Behavioral Ecology Lab | Syracuse, NY
Analyze data from whale biologging recorders through the use of acoustic and statistical processing software (Raven). Collaborate with PhD and Graduate students in order to understand humpback movements. Process whale tags for acoustic movement data.

Undergraduate Program Associate   Aug 2023-May 2024
Women in Science and Engineering (WiSE) | Syracuse, NY
Assist with data entry for program attendance and evaluation, and maintain contact bases. Collaborate with a team of 4 to facilitate implementation and evaluation of events. Perform analyses of programming feedback and implementation.

PERSONAL LEADERSHIP EXPERIENCE

AI/ML Fellow   May 2024-Present
Breakthrough Tech @ Cornell Tech | New York, NY
Contribute towards a 12-month long program including Machine Learning certificate with Cornell University faculty, experiential learning experiences, and mentorship from industry professionals. Built and implemented machine learning models (KNN, decision trees, logistic regression, ensemble methods, clustering, and CNNS) with TensorFlow, Pandas, and Seaborn.

Artificial Intelligence (AI) Project Manager   Jan 2024-May 2024
NEXIS Student Technology Lab | Syracuse, NY
Communicate across 7 project groups and 50 members within the AI team and manage attendance/assignments. Led the Healthcare AI team in building a predictive model to promote physical activity. Recognized as 'Best Leader' by management.

Co-Founder   May 2024-Present
Aggregate: Shop Local LLC | Rancho Palos Verdes, CA
Developed an application that connects small-scale agriculture and artisans to local consumers. Implemented React, TailwindCSS, Prisma, MongoDB, Flask, and Stripe/MappingAPIs. Raised $14,800 through successful pitch competitions and grant funding.
Honors & Awards: Learn Fresh Award for Social Entrepreneurship | Orange Innovation Grant Awardee | RvD iPrize Awardee