

Kevin Cushing

☎ (484) 433-0303

✉ kxc4@cornell.edu

GitHub kmcushing

EDUCATION

Cornell University

College of Engineering

Class of 2022

B.S. Computer Science

Minor: Mathematics

GPA: 3.87

RELEVANT COURSES

Statistics; Learning with Big Messy Data; Intro to Machine Learning; Intro to Data Science; Foundations of Artificial Intelligence; Intro to Computer Networks; Quantum Information Processing; Intro to Analysis of Algorithm; Systems Programming

TECHNOLOGY STACKS

Python, PyTorch, Java, C, C++, OCaml, JavaScript, Spring Boot, Angular.js, Socket.io, Node.js, Express.js, MongoDB, CSS, Sass, HTML, Linux, Secure Shell, MATLAB, SQL, PHP, AMPL

AWARDS AND HONORS

Dean's List: FA18, SP19, FA19, FA20, SP21, FA21

RELEVANT EXPERIENCE

MarketAxess

June 2021 - August 2021

Applications Development Intern

- Created an API for testing calculations for fixed income instruments using Java and Spring Boot
- Implemented price calculations for fixed income instruments

Culibra Tech Solutions

August 2020 - January 2021

Founding Partner

- Collaborated with a small team to develop software
- Used Angular.js, Node.js, Express.js, socket.io, and MongoDB to create an online classroom environment that allows students and teachers to play math games together

Undergraduate Research

September 2021 - Present

- Investigate covariate shift in machine learning with a small group led by Dr. Madeleine Udell
- Developed a general framework for comparing active learning strategies on benchmark datasets

Cornell University Varsity Baseball Team

June 2021 - Present

Pitcher

- Devote over 25 hours a week to games, practices, meetings, and strength and conditioning workouts while maintaining an academically rigorous course load
- Develop strong work ethic, leadership and teamwork skills, perseverance, ability to manage time, and competitive spirit

PROJECT EXPERIENCE

Backgammon Bot

December 2021

- Trained a neural network to play backgammon game using temporal difference learning

Pitching Performance Modeling

December 2020

- Investigated how various attributes of a pitcher and the pitches they throw relate to their performance gaining experience with the full cycle of data science and a sense of a common data science workflow

LEADERSHIP EXPERIENCE

Big Red Leadership Institute

August 2018 - Present

- Empowering student-athletes to assume roles as team leaders, and as teammates, for the betterment of their Big Red teams, the Cornell community, and their lives beyond Cornell