Tamjeed Azad | Undergraduate CS Student, Columbia University

Email: ta2553@columbia.edu | **Cell:** 662-380-0001 | **GitHub**://tamjazad | **LinkedIn**://tamjazad

Skills & Abilities

Languages: Java, C/C++, Python, HTML/CSS/JavaScript, MATLAB, Wolfram Language.
Tools: Unix/Linux/MacOS, Bash, Git, Jupyter, Mathematica, MATLAB

Work Experience

Research Assistant (October 2018 – Present) — Synthetic Biological Systems Laboratory, Columbia
Helped engineer bacterial biosensor for cancer tumors. Completed paid summer internship through 2019 Columbia Summer Undergraduate Research Fellowship. Coauthored publication in review.

Research Assistant (November 2016 – August 2018) — Klug Lab, UT Chattanooga
Used Mathematica to computationally analyze mathematical models modelling the evolution of parental care in nature. Writing of coauthored publication in progress.

Education

Columbia University (2022, Anticipated Completion), Fu Foundation School of Engineering and Applied Science — Bachelor of Science, Major in Computer Science, Minor in Economics
CP Davis Scholar, Undergraduate Scholars Program.
GPA: 3.96/4.00. Dean's List all semesters.
Relevant Coursework: Current: Advanced Programming in C/C++, Data Structures in Java, Discrete Mathematics, Intermediate Macroeconomics. Completed: Multivariable Calculus, Intro to CS with Java, Intro to Computing for Engineers in Python, Physics I/II, Principles of Economics.

Projects

LandslideDataGUI (Summer 2019) – GUI written in Python created for UT Chattanooga's Geological and Environmental Remote Sensing Lab. Data entry tool used to make an excel-based database of landslides and their info; creates a new word document for each landslide data entry and logs data entries to the same excel document. Uses tkinter, pandas, docx python modules.
PenaltyKicks (Summer 2019) – CLI-based game written in Java, simulating penalty kick shootout common in world football/soccer tournaments. Player v. Computer, available on GitHub profile.

Leadership & Involvement

Media Chair 2019-2020, Organizational Committee Member 2018-2019 on E-Board, Columbia Club Zamana (South Asian Cultural Organization)
Organizational Committee Member Spring 2019 on E-Board, Columbia Science Review
Member since 2018, New York Road Runners
Participant since 2018, Intramural Soccer, Indoor & Outdoor