

Matthew Colbert

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Education

Drake University - Des Moines, Iowa
Bachelor of Science

August 2022-Present
Expected Graduation:
May 2025

- Double Major: Computer Science and Data Analytics
- National Alumni Scholar (Competitive Academic Merit)
- Drake President's Scholar (Academic Merit)

Kirkwood Community College - Iowa City, IA

August 2018-May 2022
4.0 GPA

- Dean's List
- Completed 37 Dual Enrollment Credit Hours

Relevant Coursework

- Computer Science Principles: Learned basic programming concepts using Scratch, Python, HTML, and CSS.
- Introduction to Programming Logic: Continued to learn programming concepts with Python and documentation with flowcharts.
- Introduction to Computer Science II: Implemented APIs and data structures with Python
- Microsoft Office Tools for Business Analytics: Furthered skills of Microsoft Office
- Introduction to R/SAS: Learned Data Analysis concepts using R and SAS Studio.

Technical Skills

Programming Languages

- Python - Intermediate
- SAS - Beginner-Intermediate
- Git - Beginner Intermediate
- R - Beginner
- HTML - Intermediate
- CSS - Intermediate
- Java Script - Beginner

Other Programs

- Microsoft Office - high-intermediate
- Google Drive - high-intermediate
- Windows Command Line - Beginner

Major Projects

Robotics Scoring App

- Calculates the average scores of FIRST robotics teams using TheBlueAlliance API
- Predict the score of an alliance with average sccd ores

May 2022-Present
https://github.com/MattColb/frc_average_app

Random Password Generator

- Generates a random password with a user-decided length

June 2020

[https://github.com/
/MattColb/password-gen](https://github.com/MattColb/password-gen)

Related Research Experience

Research Experience

- Primary Investigator: Meredith Moore
- Using Label Studio, designed image masks on inclusive American Sign Language dataset

Drake University
September 2022-Present

Research Assistant

- Primary Investigator: Ion “Bodi” Vasi
- Using Microsoft Office, Organized 333 companies’ diversity, equity, and inclusion data
- Documented findings using Microsoft Excel and Word
- Addressed issues in web scraped dataset

University of Iowa
June 2022-August 2022

Related Experience

First Robotics Competition - West Branch, IA

Drive Coach/Team Captain for the 5041 CyBears

May 2018-
May 2022

- Collaborated in debugging Java code
- Organized team meetings and documentation
- Developed strategy with ally teams and directed drivers during matches
- Executed first robotics championship in school history

Zurich Insurance Mentee - Virtual

January 2022

- Acquired to cybersecurity basics through tryhackme.com
- Furthered Command Line skills using Linux
- Completed series of multiple capture the flag challenges

Leadership and Community Engagement

National Honor Society Service Projects - West Branch, IA
Treasurer

August 2020-May 2021;
August 2021-May 2022

West Branch United Methodist Praise Band - West Branch, IA
Piano Player

July 2016-
May 2019