Elijah Colwill

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EDUCATION

Purdue University – College of Science Cumulative GPA: 3.97/4.00 | Major GPA: 3.96/4.00 — **West Lafayette, IN**
B.S. Computer Science Honors (Specialization: Machine Intelligence), Data Science — Expected December 2023
Minor: Mathematics

Dean's List and Semester Honors | Relevant Coursework: Object Oriented Programming, Programming in C, Python Programming

PROFESSIONAL EXPERIENCE

Undergraduate Teaching Assistant – Purdue University — **West Lafayette, IN**
CS 193: Tools — August 2021

- Graded assignments from students utilizing GitHub, Brightspace, and other platforms.
- Hold office hours to provide technical assistance with course material.
- Communicated with relevant faculty and teaching assistants to ensure quality and consistency of course.

Undergraduate Data Analyst and Researcher – Purdue University: The Data Mine — **West Lafayette, IN**
John Deere – Absenteeism Project — August 2020 – May 2021

- Analyzed and minimized the impact of employee absenteeism with a diverse team of undergraduate and graduate students, faculty, and professional Data Scientists.
- Utilized R and Python to create statistical models for hypothesis testing.
- Created and led an introductory GitHub workshop targeted at graduate students.

Volunteer/Intern – SIL International — **Denver, CO**
R90 Language Standardization Project — May 2019 – August 2019

- Exploratory programming project to standardize language encodings using AI.
- Introduction to machine learning concepts, including neural networks.

PROJECTS

Social Network – Java (CS 180 – Code protected by University):

- Used concurrency to create a Client-Server interaction to store user data and handle data structures.
- A GUI allows users to manage, accept, and send friend requests, as well as create accounts and manage profiles.

HTML Parser – C (CS 240 – Code protected by University):

- Utilized Dynamic Memory Allocation, various data structures, and File I/O to accept a web page and process relevant text elements into an output file after handing any formatting errors.
- Text processing features allows the user to retrieve the frequency of a word or number of unique words in the output file.

LEADERSHIP EXPERIENCE

Initiative Coordinator and Liaison – Undergraduate Student Board — **West Lafayette, IN**
March 2021 – Present

- Created and led an Ethics Initiative to advocate for ethics curriculum in Computer Science by working with faculty and staff.
- Distributed a survey with course instructors to undergraduate students to collect input on online courses and other concerns.
- Advocated for USB's interests though being a Liaison to the Graduate Student Association and Graduate Student Board.

Corporate Partners Cohort Representative – Data Mine Advisory Board — **West Lafayette, IN**
September 2020 – May 2021

- Communicated with staff, faculty, and students to collect input and improve the student experience.
- Planned and ran events for the Learning Community, including an Upperclassman Panel and guest speakers.

SKILLS

Programming Languages – Java, C, Python, R, HTML, CSS
Related Technologies – Git, Latex, Terminal/PowerShell, Pandas, Numphy