Gabriel Szopinski

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EDUCATION

Indiana University, Bloomington, IN   May, 2026
BS in Computer Science
Minors in Data Science and Math
Relevant Coursework: CSCI-C343 - Data Structures, CSCI-C335 - Computer Structures
Awards: Dean's List: Fall 2023, Spring 2024, Honor's College

WORK EXPERIENCE

IU Luddy School of Informatics, Computing, and Engineering, Bloomington, IN   August 2024
Undergraduate Instructor CSCI-C241 - August 2024 - present
- Taught 50+ students in lab on advanced topics regarding Discrete Structures
- Held office hours to help individual students succeed in areas they are struggling with in Discrete Structures
- Topics included: Propositional Logic, Sets, Induction Proofs, Graphs, and Trees.

Teaching Assistant CSCI-C291 - August 2024 - present
- Taught students how to use github to activate a repository, connect to IU's remote server through ssh, create ssh keys, connect their repository remotely through the IU server, and help students learn the basic principles in C.
- Held office hours to help students learn basic principles in C and Unix

Khoas Brewcade and Kitchen, *Line Cook*, Plainfield,   May 2024 - August 2024
- Helped manage a kitchen that served up to 150 people,and prepped for large parties and events.
- Worked in a high pressure high stress environment with the forethought of preparation of food and condiments beforehand.
- Communication between managers, other coworkers and the wait staff to give customers the ultimate restaurant experience.

Technical Skills

Languages: C, Java, Python, Javascript, Php, Html, Css, Json
Platforms: Windows, MacOs, Linux, Unix
Frameworks: Flask, Django, LAMP,
Databases: MySql, Sql

PROJECTS

- *Spotify Analytics Application*
    - Worked with Spotify API to get real time playback statistics as well as generating other statistics to inform users on how to manage their playlists.
    - Implemented Python Flask framework for this application.
    - Worked with Excel, Python, Json, Javascript, Css, flask, and environment variables.
- *Recommendation Holder*
    - Implemented an application that allows users to create a profile, add and remove recommendations, and leverage their recommendation letters.
    - Important implementation of a LAMP server with the use of AJAX, URL queries, and database fetching.
    - Worked with Linux, Apache, Mysql, Php, Javascript, and Json
- *Astronomy Research Paper*
    - Research done on *"How Various Open Star Clusters Metallicity, Size, Mass Relate To Age"* through the College Of Dupage Honors department
    - Research included over 20 sources and references with various data points being collected as well as analysis of the data points being done.
    - Research strategies included viewing academic journals, databases, as well as viewing different start clusters through astronomic software.