Luke X. Barker

(724) 201-5402 │ luke3barker@gmail.com │ New Castle, PA, 16105 │ Github: Barker0103

EDUCATION

Allegheny College │ *Meadville, PA*   **Expected Graduation: May 2025**
Bachelor of Science: Computer Science   **GPA: 3.62/4.00**
Minor: Economics

Distinguishments
Alden Scholar (Dean's List; Achieved a 3.5+ GPA)   **Spring 2022 - Spring 2023**
Chi Alpha Sigma (Recognized for maintaining a 3.4+ GPA while excelling in D-3 basketball)   **Spring 2024**

Relevant Coursework
Software Engineering *(Python)*, Web Applications *(JavaScript, HTML, CSS),* Algorithm Analysis *(Python)*, Artificial Intelligence *(Python)*, Data Science *(R)*

SKILLS
Programming Languages: Python, HTML, CSS, R, SQL, Flask, JavaScript

PROGRAMMING EXPERIENCE
Student Programmer │ Computer Science Dept., *Allegheny College*   **January 2023 - May 2023**
"ASCEND" Project
- Collaborated with 4 team members in Agile method, defining project scope with clients and engineers
- Worked directly with client stakeholders to develop technical solutions for business cases
- Successfully applied new HTML and CSS skills to create a friendly interface for online learning platforms
- Developed a full-stack application, integrating front-end and back-end technologies to enhance user experience and functionality
- Created modular and responsive templates using modern HTML/CSS techniques and JavaScript libraries
- Ensured proper documentation of the product, authoring 3 key sections in final version

Team Member │ Computer Science Dept., *Allegheny College*   **September 2022 - December 2022**
"SheetShuttle" Project
- Spearheaded the development of an extension for the SheetShuttle tool within a collaborative team environment
- Acquired and applied advanced software development skills, including the utilization of multiple google APIs to enhance the extension
- Executed multiple scrum roles, including developer, lead, and writer, contributing to the project's success across various phases
- Pushed out the final version of the extension to our Github Branch and did a group presentation to the class explaining our work

INDEPENDENT PROJECTS
NBA Team Popularity/Sentiment Analyzer   **January 2024 - March 2024**
- Devised a program that uses NBA CSV tweet data to generate a bar graph of most popular teams based on their audience tweet traffic

Truthguard   **March 2024 - May 2024**
- Developed a Fact-Checking Dashboard, using Streamlit, to evaluate the accuracy of user-inputted text by comparing it with a corpus of articles stored in XML format

LEADERSHIP
Guard │ Men's Basketball, *Allegheny College*   **August 2021 - Present**
- Demonstrated academic and athletic excellence, resulting in several awards/recognitions, including: PAC All Conference Honorable Mention Men's Basketball, Allegheny College Men's Basketball Letter Winner, PAC Player of the Week Men's Basketball, and PAC SAAC Scholar Athlete of the Month Male Nominee

Teachers Assistant │ Learning Seminar Course, *Allegheny College*   **September 2024 - December 2024**
- Mentored 10+ first year students in their acclimation to college-level living and learning environments
- Held office hours weekly to assist students with processing and completing course assignments and projects