

Sebastian Ashcallay

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PROFESSIONAL GOAL

Obtain a professional position or internship in a software development team, where I can utilize the skills and educational knowledge I gained during college.

EDUCATION

University of Maryland-College Park, College Park, MD

Major: Computer Science (B.S.)

Minor: Mathematics

- Study of Programming Languages
- Algorithms

Jan. 2024 — Dec. 2025 (Expected)

GPA: 3.675

Montgomery College, Rockville, MD

Major: Computer Science (A.A.), with Honors

- Object-Oriented Programming
- Discrete Structures
- Knowledge of Computer Systems
- Knowledge of Java Programming
- Proficient in Python Programming

Aug. 2022 — Dec. 2023

GPA: 4.0

CERTIFICATIONS

Relational Databases Developer Certification, FreeCodeCamp

Issued: July 2024

Responsive Web Design Developer Certification, FreeCodeCamp

Issued: August 2024

LANGUAGES/TOOLS

- | | | |
|-----------------------------|--------------|----------------------|
| ▪ Java (Eclipse) | ▪ PostgreSQL | ▪ OCaml |
| ▪ Python (Jupyter Notebook) | ▪ HTML | ▪ Bash (Linux shell) |
| ▪ C | ▪ CSS | ▪ Git |

PERSONAL PROJECTS

Sports Analysis Program Repertoire

Feb. 2023 — Jun. 2024

Programming Language: Python (IDE: Jupyter Notebook)

Role: Co-creator, Web Designer

- Built 4 Python programs to assess and display the impact of video-assistant refereeing in a European national soccer competition: England's Premier League.
- Developed code to scrape standings, team information, and game statistics from ESPN and stored it remotely on GitHub as a collection of CSV files. Used Requests and HTML2Text modules for web scraping.
- Used NumPy and Matplotlib modules to generate animated bar and plot graphs.
- Produced and stored code using Jupyter Notebook.
- [Personal] Created and deployed a public website to showcase our findings from using the Python programs.
 - Used HTML, CSS, and JavaScript to write the code. Used Netlify to deploy the website.

Sports Database Project

Jun. 2024 — Present

Programming Language: PostgreSQL, Bash

Role: Creator

- Built a PostgreSQL database that contains four main tables for video-assistant refereeing decisions, decision types, tournament games, and participating teams of several South American leagues. Currently working with Peru's Liga 1 Tournament.
- Translated data from SofaScore to create feeding four CSV files for the database.
- Built a Bash script to manage this database locally.
 - The script is used to access and query from the database.
 - The script accounts for other purposes: building, restoring, updating, and printing information.

PROFESSIONAL EXPERIENCE (TUTORING)

C2 Education, Bethesda, MD

Sep. 2024 — Present

Math Tutor

- Work weekly between three days, three 2-hour sessions per day, and 1-3 students per session
- Develop and implement lesson plans for SAT preparation, providing practice exams and question banks
- Assist K-12 students with schoolwork in the following STEM subjects:
 - Geometry, Algebra II, Pre-Calc, Calculus I & II, Physics I & II
- Observe and assist other math tutors during their sessions and if available

Varsity Tutors (Remote)

Jun. 2024 — Present

Tutor

- Registered to tutor K-12 students, college students, and adults in the following areas of study:
 - Math, Spanish, Programming
- Write and share lesson plans through Google Docs in both Spanish and English
- [*Programming*] Use IDEs such as VSCode to demonstrate coding examples
- [*Spanish*] Practice conversation prompts in different contexts: shopping, classroom, celebrations, etc.
- [*Spanish*] Create and distribute vocabulary, reading comprehension, and listening homework activities

PROFESSIONAL EXPERIENCE (OTHER)

Ethridge, Quinn, Kemp, Rowan & Hartinger (Law Firm), Rockville, MD

Apr. 2023 — Jan. 2024

Receptionist

- Worked as a receptionist for a law firm of over 10 lawyers during weekday office hours
- Received and attended clients, outside lawyers, and court personnel inside the main branch's offices
- Offered translation to clients and lawyers for conversational purposes (Spanish/English)
- Answered calls and took messages from current and potentially new clients (Spanish/English)
- Delivered documents to Montgomery County Circuit Court and Maryland District Court
- Scheduled and supervised business-related services during office hours: equipment maintenance, hauling, shredding
- Extensively used Microsoft Office, primarily Word, Excel, and Outlook, for in-office communication, client data management, and scheduling meetings