

MATTHEW BANDOS

Email: mat.bandos@gmail.com; Monroeville, PA, GitHub: (<https://github.com/RoboticsMB>)

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Highly motivated, accomplished, multilingual student with a background in computer science and a passion for robotics. Thrives in collaborative team settings and excel in challenging projects. Seeking opportunities to further develop expertise in robotics and Computer Science, while actively contributing to a dynamic organization in a real-world environment.

Education

University of Maryland	Honors College Student	8/26/2024 – May 2028 (Expected)
GPA: 4.0, Anticipated Computer Science and Statistics Double Degree: 47 Credits Transferred		
Gateway High School	Salutatorian	8/24/2020 – 6/3/2024
GPA: 4.0, SAT: 1560 (99 th Percentile), PSAT: 1510 (99 th Percentile), 12 AP Exams (CS, Physics, Calc)		

Skills

Programming Languages: Python (Advanced), C++ (Intermediate), Java (Intermediate), R (Advanced Beginner)
Web development: HTML (Intermediate), CSS (Advanced Beginner), JavaScript (Advanced Beginner)
Tools: Github, Visual Studio, Unity, Selenium, Beautiful Soup, NumPy, Pandas, Matplotlib

Research

IHC GeoHealth	Student Researcher,	8/29/24 – Present
Scraped Web Data for Geolocation Database (Python: Selenium, Beautiful Soup)		

Work Experience (Compensated)

Career Center	Information Systems Assistant	9/10/24 – Present
Performed System Maintenance on Center's Laptops, Printers, and Desktops Setup Infrastructure for Center Sponsored Fairs and Events		
Simcoach Games	Summer Apprenticeship, Team Lead	6/10/2024 – 7/19/2024
Developed Game to teach Scheduling Skills (Unity C#), Presented at Simcoach Offices Coordinated Project, Troubleshooted during development.		
Chess Camps	Teaching Assistant	6/19/2023 – 8/4/2023
Taught chess concepts. Assisted with chess puzzles and gameplay. Supervised Tournaments.		

CS Clubs

Robotics Team (Quasics)	Team Captain, Lead Programmer, and TA	5/6/2021 – 6/3/2024
Programmed Robot Operating Software for both Teleoperated and Autonomous Sections Taught C++ and Java to younger programmers, delegated workload Debugged and Troubleshooted electronic components and custom circuits Coordinated robot design, Strategized and Competitions, Presented at Google on Robotics		

CS Volunteering

Stem Coding Lab	Volunteer Teaching Assistant	6/7/2023 – 7/28/2023
Taught CS material. Organized CS Activities. Helped in project prototyping. Supervised Activities.		
Camp Invention	Volunteer Teaching Assistant	6/24/2021 – 7/1/2021
Assisted in teaching material. Design prototypes. Set up activities. Supervised Activities.		

Projects

Personal Website: <https://matthewbandos.netlify.app/> (HTML, CSS, Java Script)
Google Forms to Canvas: Converts Google Forms to its Canvas equivalent (Python)
Robot Operating Software: (2022, 2023, 2024) and "Gladys" for 2023 FIRST Regional and Championship (C++)
(Mini Project) FROC to ROC Converter: Adjustable Data Visualization for Curves (Python: Matplotlib, Pandas)
(And just for fun) Physics Homework Solver: Systematic, brute force solver for online homework problems. (Python)

Selected Achievements

National Merit Scholarship Winner (2024)	AP Scholar with Distinction (2023, 2024)
FIRST GPR Robotics 1 st Place Alliance (2023)	CalcuSolve 1 st Place (2023), 1 st Place (2022)
AAA WPIAL Tennis 1 st Place (2023), 2 nd Place (2024)	WPIL Chess Championship 1 st Place (2022)

Extra Curriculars

Ukrainian Duolingo (750+days), Tennis, Robotics, Chess, Piano, Ski, Community Service (100+hrs)