Placide SHEMA
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EDUCATION	
Tufts University - Medford, MA ***BSc. Computer Science*** ● GPA: 3.4/4.0 ● Minor in Mathematics ● Student Representative at the Advancement Office and working on the Tufts Wiki Editing Project	***Aug 2023 – Present***

WORK EXPERIENCE	
Jackal Tech Ltd - **Part-time, Remote** ***Founder*** ~ *Website_Link* & *GitHub_Link* ● Led partnerships with Afribot Robotics, ASYV School, and Nuvision High School to introduce and implement a cutting-edge robotics program in Rwanda ● Designed and coordinated a summer internship program in three project development: Jackal Care, Typing Master, and Jackal Health Services	***Sep 2022 – Present***
Agahozo-Shalom Youth Village – Rwanda ***Python Programmer (Facilitator)*** ~ *curriculum_Link* & *Platform_Link* ● Guided over 30 students in learning graphical Python programming using the CMU CS Academy platform, aligned with Carnegie Mellon's CS1 ● Provided one-on-one mentorship, assisting students with troubleshooting, debugging, and mastering key Python concepts through project-based learning	***Sept 2022 – 2023***
Carnegie Mellon University (CMU) – Remote ***Fellow (CMU CS Academy*)** ● Completed four years of coursework in Carnegie Mellon University's CS1 curriculum during high school, focusing on graphical Python programming and computational thinking ● Developed a strong foundation in problem-solving, algorithm design, and coding efficiency through hands-on projects and graphical Python applications	***Jan 2019 - 2022***

PROJECT WORK	
Global Chat (JumboHack) ***Group project (4)*** ~ *JumboHack_Link* & *GitHub_Link* ● Tools used: HTML &CSS, JavaScript, Google Translate API, Node.js, SvelteKit, Firebase ● Developed a dynamic virtual platform using SvelteKit and Firebase, enabling real-time multilingual communication and fostering cultural exchange among students worldwide. ● Led the design of the chat user interface and organized the project structure, facilitating an intuitive user experience that encourages international collaboration and cultural exchange	***Feb 2024***
Rocket, Calculator & RwandAir Animation ***Personal projects*** ~ *Rocket_Link*	*RwandAir_Link*	*Calc_Link* ● Developed an award-winning graphical Python simulation of a satellite in motion & RwandAir animation, ranked first among 2,500 students worldwide at CMU ● Developed a drawn calculator in Python on the CMU platform with a clear operation arrangement.	***April 2021***
Proj_Gerp ***Group project (2)*** ● Tools used: C++ programming ● Built the "Gerp" program for word search in directories using hash tables, tries, and DFS, with support for case-sensitive searches and optimized memory usage	***May 2024***

SKILLS & CERTIFICATIONS
Languages: C/C++, Python, JavaScript, Java,
Technical Skills: Python Graphical Game development, Data Structures, Web Programming **Soft Skills:** Communication, Collaboration, Problem-solving, Adaptability, Curiosity