




MOHAMMAD ABU-SHELBAIA

mabushelbaia@gmail.com
(+970) 059-415-6035

 mabushelbaia.me
 github.com/mabushelbaia
 Ramallah, Palestine

SUMMARY

Undergraduate Computer Engineering student at Birzeit University, anticipating graduation in July 2024. Passionate about software development, with a focus on backend services and web development. Experienced in developing full-stack web applications using Django and Tailwind CSS. Proficient in Python, with experience in web scraping, automation, and data manipulation. Seeking opportunities to further develop my skills and contribute to innovative projects.

SKILLS

Languages: Python, LaTeX, Markdown, Bash, Assembly, Java, C, SQL, HTML, CSS

Technologies: Git, Django, Tailwind CSS, Docker, PostgreSQL, Arduino, Nginx, Unicorn

EXPERIENCE

3/2024 – 7/2024	Backend Developer Intern	Silat
	<ul style="list-style-type: none">Developed and maintained backend services using the Django framework.Utilized Docker for containerization and deployment, ensuring a consistent development and production environment.Integrated PostgreSQL as the primary database, optimizing queries and maintaining data integrity.Configured and managed Nginx as a reverse proxy server to handle client requests and serve static files efficiently.Deployed and managed WSGI applications using Unicorn to handle Django web application processes.Utilized backend services with the user interface, utilizing Tailwind CSS for styling.Conducted code reviews and debugging to maintain high code quality and performance.Implemented authentication and authorization mechanisms to secure applications.	
	Docker / PostgreSQL / Nginx / Unicorn / Django / Tailwind CSS	

PROJECTS

Web Scrapping Python, iCal	Course Schedule	github.com
	Developed a Python script to automate the extraction of weekly schedules from my university website and convert them into recurring iCal events. This project aimed to improve personal organization and time management by eliminating manual schedule data entry.	
Web Scrapping Python, Threads	NotesForProfessionals Scraper	github.com
	Developed a Python script to scrape all the books/covers from the NotesForProfessionals website and download them to the local machine. Utilized threading to improve performance and synchronously download the assets.	
Django, Tailwind CSS Nginx, Unicorn	Django Bookstore	github.com
	Developed a full-stack web application using Django and Tailwind CSS to display a collection of books. Utilized Nginx as a reverse proxy server and Unicorn as the WSGI server to deploy the application using Docker". The project aimed to showcase skills in web development and backend services.	
Robotics ESP32, Arduino	Micromouse Robot	github.com
	Designed and implemented a maze-solving robot using the ESP32 microcontroller and the Arduino framework. The robot was programmed to autonomously navigate a maze and find the shortest path to the center using the Flood Fill algorithm.	
Embedded Systems PIC16f877A-Assembly	PIC16f877A Calculator	github.com
	Developed a functional calculator on a PIC16f877A microcontroller, showcasing skills in embedded systems design and assembly language programming.	

EDUCATION

9/2020 – 7/2024	Birzeit University	Bachelor
	Computer Engineering Expected Graduation: July 2024 Cumulative Average: 87.4%	

LANGUAGES

English - C1 (CEFR), **Arabic** - Native