ELGARCH *Youssef*

LOOKING FOR AN INTERNSHIP PROJECT

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Objective

Aspiring software engineer specializing in full-stack web development. Seeking an internship to apply robust problem-solving skills and technical expertise in designing and implementing software solutions.

Education

National School of Computer Science and Systems Analysis (ENSIAS) Rabat, Morocco
Engineering Degree in Software Engineering *Sept. 2023 - Present*
- **Relevant Coursework:** Data Structures & Algorithms (C/C++/Python), Machine Learning (Python), Virtualization, Computer Architecture.

Preparatory classes, Mathematical and Physics (MP) From September 2021 to June 2023
CPGE- Moulay Youssef *Rabat, Morocco*
- **Relevant Coursework:** Mathematics, Physics, Python, Machine Learning.

Experience

IAMAI - AI Engineer Aug. 2024 - Sept. 2024
Remote Internship *Dubai, UAE*
- Automated tasks using Zapier and Make, integrating LLMs like GPT and Claude for workflow automation via APIs.

REDAL- Full-Stack Developer Intern July 2024 - Aug. 2024
Intern *Rabat, Morocco*
- Developed a full-stack web application using Node.js and React.js, allowing users to send personalized DocuSign emails with documents to defined recipients in a specific signing order.

Projects

Internship Management Web Application | *Python, Java, TensorFlow, PyTorch, C/C++, Tkinter, openCV*
- Built a platform with Node.js and an Oracle Database to manage internships and student records.
- Deployed on Oracle Cloud and used Oracle APEX for quick prototyping.

Pascal-to-C Compiler | *Python, NLP, Machine Learning*
- Developed a compiler that translates Pascal code into C, handling lexical analysis, parsing, and code generation.
- Employed efficient data structures and algorithms to optimize performance during compilation and execution..

UM6P Benguerir - GPU vs CPU Computing | *C++, Python, Supercomputing, GPU/CPU Performance Analysis*
- Analyzed and compared GPU and CPU performance using the Toubkal supercomputer.
- Focused on performance optimization and benchmarking techniques to enhance computational efficiency.

Technical Skills

Languages: *Python, Java, C/C++, SQL, JavaScript, R*

Technologies: *TensorFlow, PyTorch, Scikit-Learn, OpenCV, Docker*

Frameworks: *Flask, FastAPI, Jupyter*

Cloud Platforms: *Oracle Cloud, Azure*

Databases: *MySQL, PostgreSQL, NoSQL*

Tools: *Git, Postman, Visual Studio Code*

Web/Mobile Dev: *React Native, React.js, Node.js, Spring Boot, Flutter*

Languages

French: Advanced

English: Advanced

Chinese: Beginner

Extracurricular Activities

Team Leader   October 2024 - Present

ENSIASMAG (ENSIAS Magazine)   *Rabat, Morocco*

- Led a team to produce the ENSIASMAG, the official magazine of our school, overseeing content creation, media coverage of major events, and conducting interviews with prominent personalities.
- Organized the workflow and collaborated with team members to evaluate and highlight the talents of ENSIAS students.

Responsible for AI Cell   October 2024 - Present

NeuroDynamics Club   *Rabat, Morocco*

- Conducted workshops on Artificial Intelligence, including Machine Learning and Large Language Models (LLMs), for first-year students.
- Provided guidance and shared AI knowledge to club members and students.

External Relations Responsible   October 2024 - Present

IT Club   *Rabat, Morocco*

- Facilitated collaborations with ministers and other officials to promote and support club events.
- Coordinated with external clubs to ensure seamless communication and collaboration between organizations.

Briefing Responsible   October 2024 - Present

ENSIAS Bridge   *Rabat, Morocco*

- Organized and led briefing sessions with ENSIAS alumni to provide valuable insights on post-graduation life and the job market for current students.
- Ensured effective communication between students and alumni to share experiences and career advice.

Charity Worker   October 2023 - Present

CINDH Club (National Initiative Club for Human Development)   *Rabat, Morocco*

- Worked on charity projects aimed at helping people in remote areas, such as mountain villages, by organizing social and medical convoys.
- Coordinated with local and international organizations to provide essential aid and services to underserved communities.

Oneshot Manga Project Leader   October 2023 - Present

Japanese Club   *Rabat, Morocco*

- Mentored and organized a team to create the annual manga, which will be sold during Japan Day.
- Coordinated the idea generation and workflow for the manga project, ensuring smooth execution and creative input from members.