

HAMZA REHIOUI

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EDUCATION

Al Akhawayn University, Ifrane, Morocco. Class of 2023

Fall 2019 – Spring 2023

Bachelor of Science in Computer Science (BSCSC) Minor in Business Administration (BA).

GPA 3.95/4.0. President's List Fall 2019, Spring 2020, Fall 2020, Spring 2021

Baldwin Wallace University, Berea, OH. Exchange Student

Fall 2021 – Spring 2022

Visiting Exchange Student in School of Computer Science. GPA 4.0/4.0. Dean's List, Fall 2021

RELEVANT PROJECTS

AUI CAMPUS AND AUI HUNT

Al Akhawayn University

Technologies used: TypeScript, ReactJS, React Native, Microservices, NodeJS.

- Developed and launched two mobile apps that improved student life on campus.
- Consolidated several campus resources into the apps for easy access and convenience.
- Achieved positive feedback from the university community regarding the usefulness and functionality of the apps.

PLAYDATES – FAMILY FUN

Freelance Project

Technologies used: React Native, NodeJS, Prisma ORM.

- Developed a mobile app that facilitates playdate planning between parents and which matches them based on location, age, and other custom preferences such as interests.
- Collaborated closely with a remote stakeholder to deliver a high-quality, scalable, and stable product that met all the client's expectations.

ANZAR AWAL – FMCG ENTERPRISE RESOURCE PLANNING TOOL

Beyond Believers

Technologies used: TypeScript, ReactJS, React Native, Angular, Spring Framework, Microservices, AWS Amplify.

- Implemented and managed FMCG enterprise resource planning tool to streamline business operations.
- Optimized inventory control, supply chain management, and production planning through ERP system.
- Collaborated with cross-functional teams to ensure ERP tool effectively supported business objectives.

MISSION GUATEMALA

Baldwin Wallace University

Spring 2021

Technologies used: C#, WinForms, Visual Studio 2022, MySQL, nSwag, Splashtop, MS Teams, Jira, Gitea.

- Contributed to developing and improving a medical database software for clinical use.

KETTACAR CAR RENTAL MANAGEMENT APPLICATION

Al Akhawayn University

Summer 2020

Technologies used: NetBeans, Java, JavaFX Library, Java Swing Library, Python, MySQL Workbench.

- Developed a three-layer Java program to demonstrate the benefits of using modular multi-tier architectures in Software Engineering projects.

TECHNICAL SKILLS

Programming, Frameworks & Markdowns: C, C++, C#, Swift, Java, JavaScript, TypeScript, Kotlin, Git, R, SQL, Python, HTML, CSS, Angular, ReactJS, Redux, Go, Docker, NextJS, Amazon Web Services, Kubernetes, Prisma, NodeJS...

Operating Systems: Windows XP, 7, 10 and 11, macOS, Linux, Kali, Ubuntu.

TOOLS

Language: English, French, Arabic, Spanish (Beginner).

Tools: Jira, Bitbucket, Visual Studio, Figma, MySQL, PostgreSQL, Microsoft Office Suite, Adobe CC Suite, LaTeX, iWork Suite, Final Cut Pro X, Pro Tools, Google Suite, cPanel, Plesk...

WORK EXPERIENCE

SOFTWARE AND SOLUTIONS DEVELOPER

Al Akhawayn University

Spring 2023

- Founded Deviteam as a unit in ITS to manage all IT projects and solutions made for students by students.
- Organized Hack2Impact in partnership with Huawei and brought in more than 70 participants.
- Quick started the development of two mobile apps using the latest technologies to drive the digital transformation of Al Akhawayn University's campus.

SMART SOLUTIONS DEVELOPMENT MANAGER

Beyond Believers Inc.

Summer 2022

- Lead and conducted the requirements elicitation and analysis phase and mapped business requirements to software specifications and well-defined user stories.
- Assisted in building and consuming micro-services and Web Services in widely distributed applications using the latest technologies available.

PEER TUTOR

Al Akhawayn University

Spring 2022 – Spring 2023

- Provided academic assistance to fellow students in computer science, engineering, and math-related subject areas.
- Demonstrated effective communication skills in explaining complex concepts in a clear and concise manner.
- Adapted tutoring techniques to meet the unique needs and learning styles of individual students, resulting in improved grades and academic performance.

SOFTWARE ENGINEER INTERN

Baldwin Wallace University

Summer 2022

- Implemented redesign of UI with a single-control-per-view philosophy using C# WinForms.
- Ensured a Backend environment upgrade from .NET 4 to the latest stable release of .NET 6.
- Documented every step of the transitions made to the Backend, Frontend as well as outlined the tools used to automate certain procedures (NSwag, Pomelo...).

STAGE AND HOUSE MANAGER AND RECORDING STUDIO ASSISTANT

Baldwin Wallace University

Spring 2022

- Ensured that the directors' visions were carried out in productions at the Conservatory of Music.
- Developed and nurtured positive and professional relationships with crew, performers, and co-workers.
- Recorded, edited, mixed, and mastered multiple musical projects and events using Pro Tools.
- Performed livestreams and raw recordings digitally, then mixed down and mastered the compositions.

BOX OFFICE ATTENDANT

Baldwin Wallace University

Fall 2021

- Assisted in the switch from an outdated ticket sales system to a new one and setting up the new devices and ecosystem (printers, ticket scanners, check-in process...).

SOFTWARE ENGINEERING I TEACHING ASSISTANT

Al Akhawayn University

Summer 2021

- Updated course plan and designed instruction manuals and guides for different tools and software.
- Developed a three-layer Java program to demonstrate the benefits of using multitier architectures.

GENERAL CHEMISTRY I TEACHING ASSISTANT

Al Akhawayn University

Spring 2021

- Created a laboratory manual for online laboratory sessions.
- Graded and gave detailed feedback on online examinations and tests.

ORGANIZING COMMITTEE MEMBER AND GRAPHIC DESIGNER

A.M.S.A. ORGANIZATION FOR AUTOMOTIVE SPORTS

Casablanca, Morocco

2016 - 2018

- Assisted in organizing non-for-profit Car Racing and Rallying events.
- Addressed organizational issues in the registration processes and contributed to conflict resolution.