

# HAMZA REHIOUI

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## EDUCATION

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### 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

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### 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, MongoDB.

- 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

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**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

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**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

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### 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.