

Matias E Villar

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WORK EXPERIENCE

The Church of Jesus Christ

Riverton, UT

Software Developer Intern

Jan 2024 - Jun 2024

- Enhanced a front-end application used by Mission Presidents (Angular/RXJS) to streamline communication with missionaries, resulting in an increase in message delivery efficiency.
- Identified and resolved 20+ data discrepancies in Neptune DB using Test-Driven Development techniques, improving data integrity.
- Collaborated on developing API endpoints (Spring Boot) for missionary reporting functionalities (weekly submissions and access to past reports), reducing reporting time by 20%.

The Church of Jesus Christ

Riverton, UT

iOS Developer Intern

Sep 2023 - Jan 2024

- Actively participating in daily stand-up meetings, contributing valuable insights, and coordinating tasks to ensure project success. Agile development environment.
- Leveraged strong programming fundamentals to quickly grasp Swift and Xcode, contributing to the core functionalities of the mobile app within the first month of the internship.
- Completed complex iOS development tasks, including user interface creation, bug fixes, and story/task according to Agile sprints.

Brigham Young University - Idaho

Rexburg, ID

Teacher Assistant: WDD230/ CSE341 - Full Stack Development

Sep 2022 - Sep 2023

- Instructed 40+ students in JavaScript programming, including DOM manipulation, event handling, and API interactions to build dynamic and interactive web pages.
- Led 10+ weekly hands-on training and mentored students on debugging code.
- Provided support in topics related to REST APIs, Node.js, PostgreSQL, MongoDB, Express.js, React, Auth0, and Validation.

RELATED WORK EXPERIENCE

Local Food Bank (Volunteer Work)

Rexburg, ID

Team Lead (MERN Stack)

Jan 2023 - April 2023

- Led a team of 12 developers in utilizing React components, state management, and lifecycle methods to design a responsive user interface.
- Contributed to building the website's backend, implementing CRUD operations, and adhering to best practices to ensure data security.

WiByte - Hackathon

Rexburg, ID

Team Lead - Local Ice Cream

- Secured 3rd place by leading a team of 4 developers to completely redesign the website of a local ice cream shop.
- Utilized React and Firebase to develop the website, adding product photos, easy menu navigation, and an online ordering system.

RexRide App

Rexburg, ID

Founder

Oct 2023 - Present

- Founded RexRide, an App designed to connect students seeking rides between Rexburg and Provo. This entrepreneurial venture demonstrates my initiative and passion for creating solutions that address real-world needs.
- Integrated MongoDB as the backend and Clerk.js database to manage user data and ride information securely.
- Developed a built-in chat feature to facilitate real-time communication between riders and drivers.

EDUCATION

Brigham Young University - Idaho

Rexburg, ID

Bachelor of Science in Software Engineering (GPA: 3.8)

Ensign College

Salt Lake City, UT

Accounting Associates

SKILLS

Front-End Technologies: React.js, Angular, Next.js, JavaScript (ES6+), HTML5, CSS3

Back-End Technologies: Node.js, Express.js, Spring Boot, Python, SQL (MySQL, PostgreSQL)

Additional Skills: Git/Github, Test-Driven Development (TDD), Agile Development Methodologies, API Integration, Database Management, AWS Lambda.

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