William Nicholas Bork Rodriguez

Researcher, Teacher, & Web Developer

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SUMMARY STATEMENT

Researcher, Teacher, & Web Developer with experience in 3 countries (USA, Taiwan, and Mexico). Recent graduate of full stack web developer program building responsive web applications primarily in JavaScript and related frameworks and libraries, such as React.js and Node.js, in the Model–View–Controller architectural pattern. EdTech and machine learning enthusiast. Cross-cultural competency and multilingual skills (English, Spanish, Chinese). Life-long learner and current doctoral student in educational technology and psychology. Leadership experience and training. Soon to be licensed as a school-building principal. Seeking roles that allow me to combine my growing technical skills with my experience in K-12 education to create innovative solutions for challenges in teaching and learning.

TECHNICAL SKILLS

Programming Languages
JavaScript, HTML5, CSS3

Frameworks & Libraries
jQuery, Node.js, React.js, Ajax, Handlebars, Bootstrap, Materialize, Sequelize, Express

Platforms
GitHub, GitLab, Linux, Windows, MacOS

Software Applications
Responsive Web Apps, APIs, User Authentication

Database Management
MongoDB, MySQL, Firebase

Deployment
Heroku, GitHub Pages, Self-Hosting

Other Tools / Skills
Git collaboration and conflict resolution, Debugging tools

EDUCATION

Ph.D. in Educational Psychology & Educational Technology *(in progress)*
Michigan State University

Full Stack Web Developer Program
Tecnológico de Monterrey

Educational Leadership Licensure
Indiana University

Master of Science in Literacy, Culture, and Language Education
Indiana University

Bachelor of Science in Education
Butler University

REPOSITORIES

https://github.com/WilliamBork33

PROFESSIONAL EXPERIENCE

Intern - Enroute
Monterrey, Nuevo León, México
September 2018 - Present

Achievements & Activities:
- Paid internship for 6 weeks of full stack development training through project-based learning.

Full Stack Web Developer Program - Tecnológico de Monterrey
Monterrey, Nuevo León, México
April 2018 - Present
Portfolio: https://github.com/WilliamBork33

Achievements & Activities:
- Built responsive web applications primarily in JavaScript and related frameworks and libraries, such as React.js and Node.js, in the Model–View–Controller architectural pattern.
- Worked collaboratively through the entire development lifecycle.
- Git Source control.
- Incorporated API calls into web applications.
- HTTP Routing Methods.
- CRUD data on relational databases and non-relational databases.
- Deployed applications to cloud, local, and remote servers.
- Terminal command line navigation and file manipulation.
- Debugged other developers' code.

Elementary Language Immersion Educator - Colegio Inglés de Monterrey
Monterrey, Nuevo León, México
April 2017 - June 2018
Projects: *Piloting Robotics in Primaria (Dot & Dash), Algorithm Thinking Through Code.org*

Achievements & Activities:
- Grade 5 elementary educator at K-9 "Apple Distinguished School".
- Teach 26 students daily in an English language immersion context.
- Planned and taught 4 content areas: Math, Science, English Language Arts, and Code.org.

RECENT APPLICATIONS

jokeGenerator - Sole Developer
A joke generator using XMLHttpRequests for an Chuck Norris Joke API.
HTML, CSS, JavaScript, Skeleton, Materialize, API
Live Link
Code Repository

friendFinder - Sole Developer
A compatibility-based "FriendFinder" application. Surveys users then displays the name and picture of the user with the best overall match.
HTML, CSS, JavaScript
Live Link
Code Repository

Nude Studio - Developer for Backend Server and User Authentication
A ecommerce platform with MySQL database.
Handlebars, Bootstrap, CSS, JavaScript, jQuery, APIs, Passport, MySQL.
Live Link
Code Repository

click-game-react - Sole Developer
A stateful game built in React.
React, JavaScript, CSS, HTML
Live Link
Code Repository

BAMazon - Sole Developer
A command line node application that guides the user through a shopping experience. Connected to a MySQL database.
JavaScript
Code Repository

newsWebscraper - Sole Developer
A webscraper that runs built on JavaScript using MongoDB and Mongoose for database functions.
JavaScript, HTML, CSS
Live Link
Code Repository

NON-TECHNICAL PROFESSIONAL SKILLS

K-12 Educational Leadership
- Teacher Development & Evaluation / School Community Relations / Education Law / Curriculum & Instructional Leadership / Culture Building / Human Capital Management / Financial Resources Planning & Budgeting.

Educational Technology
- 1-to-1 Device Classrooms / Robotics (Dot & Dash, Sphero) / LMS / Educational Applications.

Curriculum Design, Lesson Planning, & Teaching
- Mathematics / Science / Programming / Foreign Language / Bilingual Education / Literacy / ENL / Multicultural Education / Human Movement, Fitness, & Sport Education / Student Leadership Skills.

Teacher Training
- Classroom Systems / Space & Materials Organization / Behavior Management / Curriculum Design / Online & Traditional Lesson Planning / Instructional Coaching.

Research Design & Implementation
- Qualitative / Quantitative / Mixed-Methods.

Academic Writing
- Writing, editing, and proofreading services for Non-Native English writers.

Fund Raising
- Grant Writing & Crowdsource Funding.

Languages
- English (native) / Spanish (advanced) / Mandarin Chinese (novice).