

# William Nicholas Bork Rodriguez

Full Stack Web Developer

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## SUMMARY STATEMENT

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*Researcher, Teacher, & Web Developer with experience in 3 countries (USA, Taiwan, and Mexico). Current student of full stack web developer program building responsive web applications with JavaScript, jQuery, Node.js, React.js, Express.js, APIs, MySQL, MongoDB, Firebase, HTML5, CSS3, Git, and more. 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

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### Programming Languages

JavaScript, HTML5, CSS3

### Frameworks & Libraries

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

### Platforms

GitHub, GitLab, Linux, Windows, MacOS

### Software Applications

APIs, Responsive Web Apps, User Authentication

### Database Management

Firebase, MongoDB, MySQL

### Deployment

Heroku, GitHub Pages, Self-Hosting

### Other Tools / Skills

Git collaboration and conflict resolution,  
Debugging tools

## EDUCATION

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### Full Stack Web Developer Program (*in progress*)

Tecnológico de Monterrey

### Ph.D. in Educational Psychology & Educational Technology (*in progress*)

Michigan State University

### Educational Leadership Licensure

Indiana University

### Master of Science in Literacy, Culture, and Language Education

Indiana University

### Bachelor of Science in Education

Butler University

## REPOSITORIES

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<https://github.com/WilliamBork33>

## RECENT APPLICATIONS

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### **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](#)

### **web-scraper-react** - Sole Developer

*A web scraper built in React.*

React, JavaScript, CSS, HTML

[Live Link](#)

[Code Repository](#)

### **Crystal Collector Game** - Sole Developer

*A game inspired by Blackjack. Try to match a number without going over!*

HTML, CSS, JavaScript

[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](#)

## PROFESSIONAL EXPERIENCE

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### **Full Stack Web Developer Program** - Tecnológico de Monterrey

Monterrey, Nuevo León, México

April 2018 - Present

Project Portfolio: <http://www.williambork.com/webdeveloper.html>

#### **Achievements & Activities:**

- Build both front-end and back-end web and mobile applications with JavaScript frameworks and environments such as React.js and Node.js.
- Work collaboratively through the entire development lifecycle.
- Git Source control.
- Incorporate API calls into web applications.
- HTTP Routing Methods.
- CRUD data on relational databases and non-relational databases.
- Deploy applications to cloud, local, and remote servers.
- Terminal command line navigation and file manipulation.
- Reading and debugging 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.

## **NON-TECHNICAL PROFESSIONAL SKILLS**

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### **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 & Crowdsourcing Funding.

### **Languages**

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