

# Mario Torres

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## EDUCATION

**University of Iowa, Iowa City, IA**

*BSE Computer Science & Engineering*

*Minor in Mathematics*

Cumulative GPA: 3.25

August 2015 - May 2019

## PERSONAL PROJECTS (demos in personal website)

### Enigma Machine Web

Originally a C++ console application, this web app emulates the Enigma M3 encryption machine from World War II

### Dad Jokes

Site made for practicing consuming APIs from Unsplash (approved for "production" level) and icanhazdadjoke.com

### Web Notes

Random forum app for practice using Mongoose w/ MongoDB and routing an API using Amazon Web Services

## WORK EXPERIENCE

### IDx Technologies, Inc. — Coralville, IA

Software Engineering Intern, Summer 2018 - present

- ❖ Developed classes and services for backend of internal automation application
- ❖ Developed a functional mock over the summer for another internal web application
- ❖ Database & Web API design to demonstrate the mock

## PROGRAMMING LANGUAGES & FRAMEWORKS/LIBRARIES (IN ORDER OF EXPERIENCE)

### 1. Web Development (Full-Stack)

Front-End

- ❖ HTML5, CSS3, SCSS/SASS
- ❖ React, React Router, Redux
- ❖ Babel, Webpack, ESLint
- ❖ Material UI, Semantic UI, Ant Design

Back-End

- ❖ node.js, Express
- ❖ MongoDB cloud, Mongoose schemas
- ❖ Serverless/Cloud Architecture (detailed below)

### 2. C#

- ❖ .NET, Web API 2, Entity Framework, NUnit, MS Test, NCrunch, Ninject

### 4. AWS Cloud

- ❖ Lambda, API Gateway, RDS (MySQL or MS SQL Server)

### 3. Azure Cloud

- ❖ App Service, SQL Server

### 5. Java, C++

- ❖ mostly Object-Oriented programming in an academic setting

### 6. Python

- ❖ mostly numerical analysis in an academic setting

## HOBBIES & INTERESTS

**Music Production:** instrument recording, arrangement, and mixing/mastering; also enjoy collaborating with other musicians and artists

**Photo Editing:** enjoy sketching and digitally enhancing drawings for fun; also blending photos taken on camera; know some Photoshop