

**Freddy Trae Torres**  
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## Education

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<b>College Station, Texas</b>	<b>Texas A&amp;M University</b>	<b>Aug 2017 – May 2022</b>
<ul style="list-style-type: none"><li>• Bachelor of Science in Computer Engineering<ul style="list-style-type: none"><li>○ Minor in Mathematics</li></ul></li></ul>		

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## Skills

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### Programming Languages and Frameworks

- Java/Spring Boot, C++, Python, iOS Development/Swift, SQL, JavaScript, Typescript, HTML, CSS, React, Node.js, Next.js. See below for usages.

### Tools and Other

- Git, Azure, Kubernetes, etc. See below.
- Also fluent in Spanish

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## Experience

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<b>Software Engineering Intern</b>	<b>American Express</b>	<b>Summer 2021</b>
<ul style="list-style-type: none"><li>• Interned for a scrum team in AmEx's Big Data sector.</li><li>• Wrote software for synchronous and asynchronous CRUD operations using Java, Spring Boot and REST API design.</li><li>• Wrote several complex algorithms to aid in data manipulation for Couchbase NoSQL server using Java and N1QL queries.</li><li>• Wrote JUnit tests to ensure that all methods were implemented correctly and efficiently.</li><li>• Collaborated with several different teams in a fast-paced work environment.</li></ul>		

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<b>Software Engineer</b>	<b>General Motors</b>	<b>June 2022-August 2024</b>
<ul style="list-style-type: none"><li>• Worked in General Motors' OnStar division, specifically its EMER ART. EMER ART specializes in emergency data distribution across the entirety of the OnStar platform. I have had the pleasure of:<ul style="list-style-type: none"><li>○ Working on several microservices that are vital to vehicle theft prevention for General Motors customers. This includes:<ul style="list-style-type: none"><li>▪ Writing back-end Java code that utilizes Spring Boot to assist with data persistence, API calling, and overall functionality of our products. I mostly wrote code for OnStar's TAN service, which notifies customers of the possibility of a theft attempt made on their vehicle using triggers such as glass breakage, door handle pulling, etc.</li><li>▪ Writing event-driven publishers/subscribers with technologies such as Kafka, Pulsar, and recently, Azure Event Hub.</li><li>▪ Writing JUNIT and functional tests to ensure above 90% code coverage of all our services.</li><li>▪ Managing deployments through CI/CD practices for our services hosted in Azure</li></ul></li><li>○ Working on front-end legacy code for an internal advisor application in JavaScript and HTML. This application assisted in relaying information about a customer and their vehicle to an OnStar advisor.</li><li>○ Writing up the front-end UI and API for a POC iOS application in Swift that allows users to block the ignition of their vehicle from their GM MyOwner mobile application.</li></ul></li></ul>		

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## Projects

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### Personal Website

- Designed a personal website using front-end languages and frameworks including but not limited to JavaScript, Typescript, HTML, CSS, React, and Next.js.
- This web app is hosted in Microsoft Azure and can be visited at [freddytraetorres.com](http://freddytraetorres.com)!