

Alejandro Limon Naranjo

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EDUCATION University of Texas at Arlington **August 2014 – May 2017**
Bachelor of Science in Computer Engineering
Overall GPA **3.88/4.0**

WORK EXPERIENCE

Chevron – Houston, TX Software Engineer Feb 2018 – Present

- Designed, developed and deployed a Node.js application that consolidates and displays data from multiple excel sheets relating to risk analysis. Semi-structured data is stored in a MongoDB, providing O(1) lookup time for any piece of data in the collection in comparison to parsing multiple excel rows manually. Exposed the data via web API's for analytics tools such as PowerBI.
- Developed an automated workflow using UiPath and C# console app that scrapes oil spill data from NOAA website and logs to system of record for notifying the operations control center. Workflow communicates with ArcGIS map services that allow for visualization of the oil spill in order to determine if it intersects with assets.
- Led a technical effort as a part of a scrum team in the modernization and migration of ~15 legacy applications written in .NET to Azure cloud for cost efficiency. Assisted team in utilizing and learning various devops tools. Tasks that I performed include refactoring authentication and incompatibility issues, deploying code to azure resources using Azure DevOps, Jenkins and Ansible, and introducing source control to old projects using Git.
- My team won 1st place amongst employees in one of the first enterprise-wide hackathons by building a mobile app to automate approval process in the field. I designed the backend, helped shape part of the front end quirks and demoed the functionality/workflow to an audience that included judges.

Chevron – Houston, TX Systems Analyst June 2017 – Feb 2018

- Resolved infrastructure based problems in a very critical financial application with 100% reliability rating relating to over 25 issues within 4 months. These issues ranged from rewriting stored procedures in a SQL database that ran the correct logic to contacting the vendor of solution to work through bugs.
- Assessed over 6 applications on security compliance to flag any vulnerabilities within the applications.

Sabre – Southlake, TX Software Developer Intern May 2016 – August 2016

- Created TestNG automated tests for customer centric Java application that utilizes a powerful airline data platform. Led a proof of concept initiative by facilitating meetings with peer interns, presenting business case to Sabre executives, and creating technical architecture.

SKILLS

- Languages: Java, C/C++, C#, JavaScript, Python, VB, T-SQL
- Technologies: Azure Platform, Node.js, .NET, SQL, MongoDB, Git, Ansible, Vim, UiPath, VS Code, IntelliJ, Unix Environments, Android Studio, Mac OS X, Windows, Jenkins, GDB debugger, Unity
- Fluent in Spanish and English

ACADEMIC PROJECTS

RoomView

- Designed and developed a VR application in a team of five to accomplish replicating rooms in virtual space to rearrange furniture for interior design purposes. I used Unity, HTC Vive, and Steam VR API to develop over 4 user interfaces, including scripts to modify objects to add them into the rooms by taking full advantage of the controller gestures and buttons.

Abstract Foods Application

- Developed an application within a 2-month deadline that allows users to upload or browse foods with integration of the Java Android Framework, Firebase API, and the XML for the UI that included over 18 different screens. My role was to implement the browse functionality which had a search algorithm (using an internal hash-map), an ingredient finder which allowed users to find foods by ingredients and a random food button.

Ice Cream Shop GUI Simulation

- As a team, we were challenged to create an ice-cream shop simulation project GUI involving intensive use of concepts such as encapsulation, inheritance, custom exception handling, polymorphism and abstraction in Java through the Netbeans IDE. I designed the transaction system with the orders using a payment system that included the choice of paying credit/debit or cash in which case the user would get the exact change.