

# Justin Negron (He/Him)

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## EXPERIENCE

**Bank of America – Software Engineer** | Plano, TX February 2024 – Present

- Automated peak usage detection by analyzing 3 months of production data, improving efficiency and test reliability.
- Maintained LoadRunner scenarios and C-based VuGen scripts to emulate production-scale load patterns.
- Triaged system failures via trace analysis in Splunk and Dynatrace to reduce incident resolution time.
- Integrated Jira and LoadRunner APIs with Python to streamline validation and accelerate feedback cycles.
- Developed a Python script to extract failed users from SQLite and generate reset files, saving 2+ hours per run
- Led a cross-team effort to visualize onboarding metrics for an internal tool, standardizing insights across multiple teams.

**Bank of America – Software Engineer Intern** | Charlotte, NC June 2023 – August 2023

- Simulated user behavior with VuGen scripts for comprehensive system-wide performance testing on LoadRunner.
- Maintained Test environment tables to accurately replicate Production conditions and ensure reliable test results.
- Upgraded existing Python scripts to integrate Dynatrace analytics using the Dynatrace API

**Westinis Inc – Software Engineer Intern** | Las Vegas, NV June 2021 – August 2021

- Extracted geo-location data from IoT devices and smartphones using Blazor WebAssembly.
- Calibrated geo-location data for accurate display on a XAML Map Interface in real-time.

## PROJECTS

**Autonomous Mobile Robot Swarm – Hardware Engineer** | Team of 4 | 1st Place [View Project](#)

- Designed a mobile robot swarm of 4+ units for autonomous planetary exploration without boundary constraints.
- Engineered RF RSSI-based communication to maintain signal strength between at least three units.
- Developed a data localization system using signals from three units to recalibrate a unit's position in real time.
- Utilized: STM32 MCU, 9-DoF IMU, Sub-GHz RF, RTOS, RSSI

**University Discord Bot – Discord Bot & Backend Developer** | Team of 10 | 1st Place [View Project](#)

- Built a scalable Ticketing System with Discord.js and PostgreSQL, enforcing one ticket per student per class.
- Achieved 100% code coverage for Ticket and User controllers via unit tests.
- Utilized: Typescript, Discord.js, PostgreSQL, React, Jest, GitHub Actions

## SKILLS & CERTIFICATIONS

**Languages:** Java, Python, C++, JavaScript, TypeScript, Ruby, HTML, CSS

**Tools:** Git, BitBucket, LoadRunner, Jmeter, Splunk, Dynatrace, Oracle DB, PostgreSQL, AWS, Node.js, React

**Certifications:** AWS Certified Cloud Practitioner | CodePath Certified Advanced Software Engineering

## EDUCATION

**University of Nevada, Las Vegas** December 2023

**Bachelor of Science in Engineering; Computer Engineering**

**Bachelor of Science in Computer Science**

**Minor in Mathematics**

## AFFILIATIONS

**Society of Hispanic Professional Engineers** | Member | SHPE 2023 Attendee October 2023 – Present

**CodePath** | Alumni | Advanced Software Engineering Summer 2022 Student May 2022 – Present

**Nepantla Program** | Alumni | Nevada State College May 2017 – August 2017