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# Nicolas S. Ruiz

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## Summary of Qualifications

- Six years of coding experience
  - **Languages** - Java, C, C#, Swift, Python, JavaScript, TypeScript, HTML, Go
  - **Software** - VSCode, GitHub, Slack, VMWare, VirtualBox, AWS, Firebase, Stripe, Docker, DigitalOcean
  - **Operating Systems** - MacOS, Windows, ChromeOS, Ubuntu, Debian, Alpine, Pop!\_OS, CentOS
- Experience in a team-based environment built through fellowship work, volunteer work, and hackathons.
- Effective communication skills developed through past work with organizations.

## Education

The University of Texas at San Antonio

**Graduated: May 2023**

**Bachelor of Science in Computer Science - Cloud & Systems**

Spring 2022 President's List

Spring 2019 & Spring 2021 Honor Roll

### Relevant Coursework:

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|-------------------------|------------------------|--------------------------------|
| • Data Structures       | • Parallel Programming | • Cloud Computing              |
| • Computer Architecture | • Embedded Systems     | • Advanced Systems Programming |
| • Database Systems      | • Data Science         |                                |

## Experience

### **Production Engineering Fellow, MLH Fellowship, Meta**

June 2023 – September 2023

- Completed 12-weeks of structured curriculum-based learning covering core Production Engineering topics, supplemented with events/workshops hosted by industry experts.
- Created an open-source personal portfolio website template using **Python, Flask, Jinja, MySQL, Nginx**, and **unittest**.
- Automated testing and deployment workflows using **CI/CD**.
- Set up system and container monitoring, alerting, and visualization using **Prometheus** and **Grafana**.

### **Open-Source Developer, MLH Fellowship, Amazon Web Services (AWS)**

September 2022 – December 2022

- Worked with AWS Maintainers to contribute to the **AWS Cloud Development Kit (CDK)** repository.
- Learned how to edit the CDK using **Typescript** and run **Yarn** tests before submitting pull requests.
- Met with other Fellows and our pod leader multiple times a week to discuss our progress.
- Peer programmed with another Fellow working on the CDK for a couple of pull requests.

## Projects

### **RowdE-Books, Software Engineering Course Project (Vite React, Firebase, Bootstrap, Stripe)**

April 2023

- Used **Firebase Auth** to securely create users and manage logins as well as **Firebase Hosting** and **Cloud Storage**.
- Set up book and admin displays with information fetched from our **Firestore Database**.
- Integrated **Stripe** to handle transactions and designed working download page for successful transactions.

### **Social Circle, MLH Fellowship Orientation Hackathon (React, Firebase, Bootstrap, Netlify)**

September 2022

- Used **Firebase Auth** to securely create users and manage logins and the **Firestore Database** to store the board posts.
- Designed the front-end looks of the site using **CSS** and **Bootstrap**.
- Remote hosted the site using **Netlify**.

### **ANGER Applications Solitaire, Application Programming Course Project (Eclipse, JavaFX)**

Spring 2020

- Implemented researched algorithms to have the cards behave according to the rules of Solitaire.
- Integrated systems for restarting the game with either the same deck or a new one, choosing card backs, & audio control.
- Went through multiple revisions to fix visual and gameplay bugs.

## Activities

- |  |                         |
|--|-------------------------|
| • CodeQuantum Volunteer, UTSA                        | November 2022           |
| • Rowdy Datathon Participant, UTSA                   | October 2022            |
| • Rowdyhacks VII Technical Coordinator, UTSA         | March 2022              |
| • Rowdyhacks V Participant, UTSA                     | March 2020              |
| • Member of Association of Computing Machinery, UTSA | January 2019 – May 2023 |
| • Member of Japanese Student Association, UTSA       | August 2018 – May 2023  |