

# Luis Alejandro “Han” Rodríguez González

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## EDUCATION

### Tecnológico de Monterrey

Aug. 2020 – Present

*Bachelor of Science in Computer Science (GPA: 97/100)*

*Expected graduation: Jun. 2024*

**Relevant Coursework:** Data Structures, Web Development, Data Analytics, Statistics, Agile, Software Requirement Analysis, Linear Algebra, Networking, Mobile Development

## EXPERIENCE

### Microsoft Corporation

Jun. 2023 – Sep. 2023

*Incoming Software Engineering Intern*

*\*Expected dates*

### TECoding

Feb. 2022 – Present

*Vice President*

- Organize meetups, teach Git workshops, organize the first state-wide hackathon in 5 years Guadalajara 2023

### Intel Corporation

Sep. 2022 – May 2023

*Software Engineering Intern*

- Develop DevOps tools for Linux-based operating systems
- Built Linux documentation service in Flask, eliminating the need for individual setup and execution
- Automated OS deployments with callable script, eliminating manual steps for 20 engineers in 2 campuses

### Major League Hacking Fellowship, Powered By Meta

May 2022 – Aug. 2022

*Production Engineering Fellow*

- Completed a 12-week curriculum on Production Engineering, with workshops hosted by industry experts
- Automated testing and deployment using CI/CD and set up monitoring and alerting in Prometheus and Grafana

### Tecnológico de Monterrey

Sep. 2021 – Jul. 2022

*Undergraduate Research Assistant (AI/ML)*

- Automated data cleaning and model exploration to find converging optima from 40 configurations and 4 data sets
- Researched and implemented Natural Language Processing algorithms to find insights on school dropout in Jalisco

## CERTIFICATIONS

**Scrum Fundamentals Certified** | *SCRUMstudy*

2023

**Specialization in Data Science (I, II)** | *The Johns Hopkins University via Coursera*

2022

## PROJECTS

**IBM SkillBoard** | *React, Ruby on Rails, MongoDB, Flask, scikit-learn, NLTK*

2023

- Led development of back-end comprised of 9 data models and session-based access to 4 sets of CRUD endpoints
- Generated exploratory analyses using Natural Language Processing TF-IDF algorithm to identify key skills
- Implemented GitHub Actions CI/CD workflows for testing and automatic deployment to DigitalOcean server

[github.com/13th-office/IBM-SkillBoard](https://github.com/13th-office/IBM-SkillBoard)

**Ilikia: Geriatric Assessments** | *React, Node, Express, MySQL, Unity3D*

2022

- Led a team of 7 people to design and build a full-stack web application to apply Mini-Mental State Examinations
- Developed Express back-end serving a REST API to process and filter exam results

[github.com/gonzalpi/ilikia](https://github.com/gonzalpi/ilikia)

**Monopoly Strategist** | *Python, Numpy*

2021

- Modeled the probability of landing on any tile with a Markov chain to find the most profitable tiles

[github.com/gonzalpi/monopoly-strategist](https://github.com/gonzalpi/monopoly-strategist)

## SKILLS

**Developer Tools:** Git, GitHub Actions CI/CD, SSH, Linux, VS Code, DigitalOcean, Heroku, Firebase, Nginx, unittest

**Data Libraries:** pandas, NumPy, Matplotlib, TensorFlow, NLTK, Gensim, scikit-learn

**Collaboration:** Microsoft Teams, Microsoft Office (Word, Excel, PowerPoint), Google Suite (Docs, Sheets, Slides), Slack

**Communication:** English, Spanish, French