Luis Alejandro "Han" Rodriguez Gonzalez

han@gonzalpi.com | linkedin.com/in/gonzalpi | github.com/gonzalpi

EDUCATION

Tecnologico 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

Intel Corporation   Sep. 2022 – Present
Software Engineering Intern
- Develop DevOps tools for Linux-based operating systems
- Built Flask server running a documentation automation tool, eliminating the need for individual setup and running

Major League Hacking Fellowship, Powered By Meta   May 2022 – Sep. 2022
Production Engineering Fellow (Summer 2022)
- Completed 12 weeks of structured curriculum-based learning covering core Production Engineering topics, supplemented with events and workshops hosted by industry experts
- Created 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

Tecnologico de Monterrey   Sep. 2021 – Jul. 2022
Undergraduate Research Assistant
- Automated data cleaning and AI model exploration in Python and Bash to find converging optima among 40 model configurations with 4 data sets
- Researched and implemented Natural Language Processing algorithms to find insights on school dropout in Jalisco
- Aggregated and documented insights for further analysis, publishing and use by the Jalisco State Government

CERTIFICATIONS

Specialization in Data Science | *The Johns Hopkins University via Coursera*
- Completed 2 out of 10 courses: The Data Scientist's Toolbox, R Programming

PROJECTS

Ilikia: Geriatric Assessments | *React, Node, Express, MySQL*   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
- Developed React component to display questions with Unity3D components, and send the answers to the server
github.com/gonzalpi/ilikia

Dog and Cat Image Classifier | *Python, Keras*   2022
- Trained a Convolutional Neural Network to tell whether a picture contains a dog or a cat
github.com/gonzalpi/dog-cat-classifier

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

SKILLS

Programming Languages: Python, Bash, C/C++, MySQL, JavaScript, HTML/CSS, R, C# (Unity), SwiftUI
Web Development: React, Flask, Node.js, Express.js
Developer Tools: Git, GitHub Actions (CI/CD), SSH, Linux, VS Code, DigitalOcean, Heroku, Firebase
Other 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