

# SANTIAGO MIGUEL RODRIGUEZ NOH

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## EDUCATION

### Faculty of Mathematics of the Autonomous University of Yucatan (UADY)

Bachelor of Computer Engineering

**GPA:** 3.7/4.0

**Coursework:** ,Data structure,Algorithms and programming, OOP, Secure Programming, Databases, Operating systems, Switching and routing in networking data, Cibersecurity, Web development, Computer arch, Back-end development, Front-end development, Artificial Intelligence, Numerical Methods, Data science, Computer Vision, Data mining, IoT.

**AUGUST 2016- AUGUST 2021**

### Colegio de Bachilleres Campus Cozumel

Cisco Networking Academy: CCNA R&S: Introduction to Networks (2014),CCNA R&S: Routing and Switching Essentials (2015), CCNA R&S: Scaling Networks (2015), CCNA R&S: Connecting Networks (2016).

**AUGUST 2013- AUGUST 2016**

## EMPLOYMENT

### Full Stack developer - Wincify ([www.wincify.com](http://www.wincify.com)) , Mérida.

**NOVEMBER 2020 - AUGUST 2021**

- Implementation of REST and GraphQL APIs using Node.js and Docker through the microservices architecture, improving information processing and reducing the workload of the main server.
- Design of tables for SQL databases to find and retrieve information in the fastest and most efficient way.
- Web page development, proposing improvements and making adjustments to existing designs.
- Implementation of unit Testing to validate the correct functionality of software developed.
- Integration of AWS services for save data and execution of lambda functions.
- **Leverage knowledge** in git, Node.js, MySQL, javaScript, React.js, Docker, AWS, npm, bash.

### Front-end developer intern - JCB ([www.jcblibrary.org](http://www.jcblibrary.org)), Rhode Island, United States.

**AUGUST 2020 - NOVEMBER 2020**

- Development of an interactive digital exhibition Constellations: Reimagining Celestial Histories in the Early Américas (An international and interdisciplinary collaboration between the John Carter Brown Library and the IIMAS, UNAM).
- Use of text analysis and clustering techniques to find the connections between the different books in the exhibition and achieve a better interpretation for show these relationships at digital exhibition.
- **Leverage knowledge** in git, JavaScript, HTML, CSS, bash, Python.

### Full Stack developer intern - Coordinación Delegacional de Informática (IMSS) , Mérida. **JANUARY 2020 - AUGUST 2020**

- Integration of new modules to existing software to improve the flow and management of the information generated.
- Implementation of a web application for the management of consultation cards for COVID patients, improving management and allowing the visualization of relevant parameters through graphics.
- Implementation of a web application for the documents management for the department of Social Labor using Node.js and Vue.js, improving the data flow and the management of documents.
- **Leverage knowledge** in git, JavaScript, HTML, CSS, bash, MySQL, Node.js, Vue.js, npm.

## LANGUAGES

- English: B1 level on the CEFRL scale.
- Spanish: Native.

## SOFTWARE PROYECTS

### Medical Portal

- Web application developed using Angular.js, Node.js and Mysql that allows users (patients) to request medical appointments and doctors better manage their daily appointments, supports the creation of consultation links and email notifications.

### Inventory Management System and Point of sales

- web application developed using Laravel and Mysql that allows users to manage their inventory and make sales in an easy and fast way, there are three types of user such as the administrator, the salesperson and the inventory administrator.

### Web Image Detector

- Object detector in low resolution images with web interface, developed with the ResNet, yolo-Tiny and YoloV3 detection algorithm using the keras and Flask API. Allows users load an image and as a response you get the segmentation coordinates and the name of the objects found within the loaded image.

## SKILLS

- **Languages:** (Proficient):JavaScript,Python, Node.js SQL, HTML/CSS, PHP (Familiar): Bash,Dart, C++.
- **Frameworks/Libraries:** (Proficient):Express.js, React.js (familiar): Vue.js, Angular.js, Laravel, Flask.
- **Soft skills:** Teamwork, Self-taught, Analytic, Problem Solving, Leadership, Enthusiastic.
- **Other:**(Proficient): Git, REST, GraphQL, Docker, Linux environments, Scrum (familiar): CI/CD, Pipelines, Nginx, MongoDB.
- **AWS:** (Proficient): S3, EC2 (familiar):Lambda, ECR, IAM, SQS.