

## EDUCATION

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- **IT University** Copenhagen, Denmark  
*Master of Science in Computer Science*  
Aug. 2020 – Present
- **Universidad La Salle** Mexico City, Mexico  
*Bachelor of Engineering in Electronics and Communications; GPA: 4 (9.76/10.0)*  
Aug. 2012 – Nov. 2016
- **Universidad Nacional Autónoma de México** Mexico City, Mexico  
*Bachelor of Mathematics*  
Aug. 2014 – Jul. 2018

## EXPERIENCE

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- **TIDE** Mexico City, Mexico  
*Software Engineer*  
Jan. 2019 - Aug. 2020
  - **Employee time clock:** Raspberry Pi's with multiple identification and synchronization features. Integrated sensors SDK's (C/Java), implemented features for the main service (Node.js), and UI(React)
  - **Airport Lounge app:** Android/iOS app with React Native. Several features, integrated to an existing backend and created a backend-for-frontend for other features (Node.js/sails.js).
  - **Scotiabank's online pride parade:** Basic MMORPG for 2020's stay@home Pride Parade. AWS/EC2 instances running a Phaser.js game, connecting to WebSocket servers (Typescript). Redis used for chat features.
  - **IOT devices monitor:** Utilities to provide software updates, remote SSH access and stats recopilation for remote technical support. Implemented features on both sides (Node.js, PHP/Symfony, React).
  - **Coca-cola promotional game:** Soccer game for marketing stands of Coca-cola running on Raspberry Pi's, controlled by a Wii controller. Created with Python/Pygame.
  - **Airport Lounge software:** Software spanning several company areas. Implemented several features, on both backend (PHP/Symfony) and frontend (React).
  - **Restaurant software:** Highly customized restaurant software. Implemented several features, on both backend (PHP/Symfony) and frontend (React).
- **VtSoftware** Playa del Carmen, Mexico  
*Software Engineer*  
Jun. 2017 - May 2018
  - **Vacation Clubs Payroll Software:** Modeled and designed according to customer needs. Bootstrapped project on PHP/Laravel and Vue.js, integrated to an existing sales system DB.
  - **Hotel Inventory Software:** Modeled and designed according to customer needs. Bootstrapped project on PHP/Laravel and jQuery.
- **École de Technologie Supérieure** Montreal, Canada  
*Research Internship*  
Apr. 2015 - Jul. 2015
  - **Estimation of disparity on GPUs:** Research on disparity estimation algorithms and implementation on Matlab and then using C/CUDA

## ACADEMIC ACTIVITIES

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- **ANFEI's award:** Highest GPA on engineering faculty.
- **Robotics Winter School. 2013:** INAOE, Puebla, Mexico.
- **Robotics competitions. 2011 - 2013:** Participation on Robocup competitions with the school robotics team. Istanbul, Turkey and Mexico City.
- **Programming competitions.:** IEEEExtreme Programming competitions.

## SKILLS

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**Languages:** JS, TS, Node, Python, Matlab, C, Java, **Technologies:** React, Phaser, Raspberry Pi, Vuejs, SQL, PHP, Laravel, Symfony, Linux, Sails-js, Redis, AWS, Echarts, Socket-io