



PROFILE

Hardworking passionate profesional, currently studying a **Msc. in Computer Science**. With experience in software development. Highly responsible on my work. Excited to learn more, try new things, face challenges, and to help.

EDUCATION

- **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 Aug. 2012 – Nov. 2016

- **Universidad Nacional Autónoma de México** Mexico City, Mexico
Bachelor of Mathematics Aug. 2014 – Jul. 2018

EXPERIENCE

- **Microsoft** Copenhagen, Denmark
Student Worker (Part time) Sept. 2021 - Present
Business Central. Finance and Integrations Application team. Bugs and application features, mainly on the DSL **AL**.
- **Microsoft** Copenhagen, Denmark
Engineering Intern (Full time) Jul. 2021 - Aug. 2021
- **DFDS** Copenhagen, Denmark
Student Developer (Part time) Apr. 2021 - Jun. 2021
Mainly work on **TS/React**, maintenance of shared components library. I learned a lot from the project structure and the tools used by the team.
- **ABaCus DK** Copenhagen, Denmark
Student Developer (Part time) Nov. 2020 - May 2021
Wrote fixes for bugs. Also the frontend and backend for pages displaying statistics for the teacher and students. The project used **PHP/Symfony**, **JS/React**.
- **TIDE** Mexico City, Mexico
Software Engineer (Full time) Jan. 2019 - Aug. 2020

I developed many useful skills, learned to deliver fully functional products and to take responsibility for them as a team. Designed and implemented creative solutions with several technologies.

- **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**). Other technologies used: **Redux**, **Firestore FCM**
- **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**, **Linux scripting**).
- **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/Redux**).
- **Restaurant software:** Highly customized restaurant software. Implemented several features, on both backend (**PHP/Symfony**) and frontend (**React/Redux**).

• VtSoftware

Playa del Carmen, Mexico

Software Engineer (Full time)

Jun. 2017 - May 2018

I learned how to translate my academic knowledge to useful software. One of the most important skills I learned is to listen to the client requirements and design accordingly.

- **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. Also wrote some **SQLServer** stored procedures.
- **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 (Full time)

Apr. 2015 - Jul. 2015

- **Estimation of disparity on GPUs:** Research on disparity estimation algorithms and implementation on **Matlab** and then using **C/CUDA**

OTHER EXPERIENCE

- **Teaching activities:** Private tutor on mathematics and programming, mostly focusing on kids (from 9 to 16). Social Service as an English teacher for adults.

ACADEMIC ACTIVITIES

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

SKILLS I'VE WORKED WITH

PROGRAMMING LANGUAGES

AL, JS, TS, Node.js, Python, C, Java, SQL, PHP, Matlab

TECHNOLOGIES

- **Frontend:** React, Redux, React Native, Vue.js, Phaser, eCharts.
- **Backend:** Laravel, Symfony, Redis, Socket.io, Express, Sails.js
- **Other:** Business Central, Linux, Raspberry Pi, AWS, Git, SVN, Nginx, Matlab

OTHER SKILLS (COURSEWORK & OTHERS)

Scala, C++, Microchip PIC Assembler, Arduino, Eagle, L^AT_EX.

LANGUAGES

- **Spanish:** Native
- **English:** Fluent. TOEFL iBT(115/120)