Joshua Martínez

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PROFILE

Hardworking passionate profesional, currently studying a Msc. in Computer Science. With experience in software development, which taught me to translate my hard-skills to useful products. Highly responsible on my work. Excited to learn more, try new things, face challenges, and to help.

EDUCATION

- **IT University** — Copenhaguen, Denmark
  Master of Science in Computer Science; Gr: 12/12 — *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

- **ABaCus DK** — Copenhagen, Denmark
  Student Developer — *Nov. 2020 - Present*

  I learned to work in a different culture, exploring a software developed by several people, with different work styles. Employment is time limited, but I was able to contribute on the system. See recommendation attached.

  - **Features, bug fixes for main product**: Wrote fixes for minor 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 — *Jan. 2019 - Aug. 2020*

  I developed many useful skills, learned to deliver fully functional products and to take responsability 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, Firebase 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 — *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. Bootstraped 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. Bootstraped 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

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. Our team achieved good results.
- **Programming competitions.**: IEEExtreme Programming competitions. Good results on our region.

SKILLS I'VE WORKED WITH

PROGRAMMING LANGUAGES	TECHNOLOGIES
JS, TS, Node.js, Python, C, Java, SQL, PHP, Matlab	- **Frontend:**: React, Redux, React Native, Vue.js, Phaser, eCharts. - **Backend:**: Laravel, Symfony, Redis, Socket.io, Express, Sails.js - **Other:**: Linux, Raspberry Pi, AWS, Git, SVN, Nginx

OTHER SKILLS (COURSEWORK & OTHERS)

Scala, C++, Microchip PIC Assembler, Arduino, Eagle.

LANGUAGES

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