Arturo Cantú Cisneros

Engineer in Computer Science and Technology

Recently graduated professional in the technology area ready to face new challenges in my area of expertise.

SKILLS

Leadership   Self-learning   Teamwork   Critical Thinking   Communication   Entrepreneurship   Responsibility   Research

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EDUCATION

Bachelor of Science in Computer Science and Technology Engineering
Instituto Tecnológico y de Estudios Superiores de Monterrey

08/2015 – 06/2020   *Monterrey, Mexico*

International Study Program
ECE Ecole d'ingenieurs

08/2018 – 01/2019   *Paris, France*

WORK EXPERIENCE

Web Developer
Freelancer

06/2017 – Present

Achievements/Tasks

- Develop multiple websites and web services for small businesses using different platforms, programming languages and technologies such as HTML, CSS Javascript, Python mainly implemented in Wordpress.
- Implement REST APIs for electronic commerce, importing and updating thousands of products daily.

Programmer and project manager assistant
Impact Hub Monterrey

05/2015 – 08/2015   *Monterrey, Mexico*

Achievements/Tasks

- Assist in the development of a reservation platform using HTML5, CSS and Javascript.
- Migrate a project management system from an internal platform to Trello, which after an analysis we concluded that it was more efficient and flexible.
- Minor interventions in projects such as Monterrey Beer Festival, obtaining quotes and contacts for the development of the festival.

TECHNICAL SKILLS

Programming Languages
C - 5 years, C++ - 5 years, HTML - 5 years, Java - 3 years, Python - 3 years, Javascript - 2 years, Java on Android 2 years, Kotlin on Android - 6 months.

Technologies
Android, Firebase, Unix/Bash, Raspberry Pi, Unity3D, Docker, CSS, Bootstrap, Vuetify, Node, Angular, REST API, JavaFx, JQuery, SQL.

RECENT PROJECTS

Android app for inventory management in small grocery stores (02/2020 – 06/2020)

- Together with the team of Blue People Mx, we designed a system for small businesses and stores for the secure reception of inventory and the handling of transactions with a validation of payments to prevent the repudiation of actions.
- This was achieved through the use of encrypted QR codes which served as validating tokens for actors and transactions.
- The application was made for Android using Kotlin and Firebase as a database solution.
- A website to manage users was also developed using NodeJs and the Vue framework.

Wrote my own programming language (02/2020 – 06/2020)

- Design and development of a custom programming language with the standard functions of an imperative language including the declaration of variables, functions, conditions, cycles, arrays, etc.
- This was built using data structures and Lex & Yacc in Python.

Website project (01/2017 – 05/2017)

- Beta website for the innovation department at Tecnológico de Monterrey to consult social and innovation projects.
- Together with my development team, we designed and developed a platform where projects could be registered, views, searched and filtered on an online platform.
- HTML5, CSS and Javascript were used for the front end while PHP and MySQL were used for the backend.

EXTRACURRICULAR ACTIVITIES

Student Groups
Tecnológico de Monterrey

Groups

- I was part of student groups that promote teamwork, social inclusion and leadership. (2013 - 2020)
- I was part of the programming team for my high school's robotics team. (2013 - 2015)
- I taught the fundamentals of programming applied to robots built in the Mindstorms platform to middle school students. (2015 - 2017)
- Soccer Team. (2012 - 2015)

LANGUAGES

Spanish
Native

English
Full Professional Proficiency
TOEFL iBT Score: 630

French
Elementary Proficiency
Certification: DELF A1