JorgeCarvajal

Computer Engineer

contact

ID: 702230223
Marital status: single
Birthdate: 15/10/1993

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technical skills

OS:
Windows, Linux

Languages:
C/C++, Python

Deep Learning:
Keras, Tensorflow

Data Analysis:
Jupyter notebook, Numpy, Pandas, Matplotlib

Other:
Git, LaTex, Vim

summary

Analytical, dedicated, and responsible engineer with 2+ years of experience developing robust code for high performance networking equipment using C/C++ as main programming languages and python for tasks related to testing, process automation and data analysis.

My objective is to work in a competitive environment, on challenging and innovative assignments while receiving constant feedback and having opportunities for personal and professional development.

education

2017–Now **Deep Learning Nanodegree** — Udacity
Four month term in progress

Jan 2018 **TOEFL IBT** - Score: 99 — ETS
Reading: 25, Listening: 25, Speaking: 23, Writing: 26

2011–2016 **Bachelor's Degree in Computer Engineering** — Costa Rica Institue of Technology
Graduate with honors. Score: 90.95

experience

2017–Now **Software Engineer** — Aruba, a Hewlett Packard Enterprise Company
Software developer of the Aruba OS CX, which is used for Aruba's first core switch (Aruba 8400). Participated in the implementation of features related to high availability, linecard hotswap and multicast.

2016–2017 **Software Engineer Intern** — Aruba, a Hewlett Packard Enterprise Company
Non-cryptographic hashing algorithm evaluation for the Aruba OS CX in terms of processing speed, collision resistance and distribution in the available hash table buckets.

2015–2016 **Student Exchange Program: Digital Integrated Circuits Course** — ITESM, Mexico
Design and development of a communication system that converts 8 bit parallel data into a syncronous serial signal. The project was implemented using LTSpice integrated with Electric VLSI and following the MOSIS submicron design rules to allow its further manufacturing process.

2015–2016 **Student Exchange Internship: Scaffold manufacturing for cell culture** — ITESM, Mexico
Integration of a programmable power source and positive displacement pump to the manufacturing process of 3D scaffolds for cellular culture. This required to understand the operation of the new equipment, design an interface that allows to control it using NI LabView and integrate the system in the production line.