PERSONAL INFORMATION

Name:
Gian Nestor Cuello Nicholson
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EDUCATION

M in Computer Science
Expected Aug 2017 | Mérida, Yuc
Conc. Machine Learning
Universidad Autonóma De Yucatán
Current Cum. Grade: 89/100

BS in Ing en Sistemas Computacionales
Grad. Mar 2015 | Chetumal, Q.Roo
Conc. Web and Mobile Development
Instituto Tecnológico De Chetumal
Cum. Grade: 89 / 100

High School Education
Grad. June 2010 | Corozal, Belize
Corozal Community College
Cum. Grade: 3.13 gpa

LINKS

LinkedIn:// **giancuello26**

COURSEWORK

GRADUATE

Machine Learning
Computer Vision
Automata Theory

UNDERGRADUATE

Information Retrieval
Web Development
Programmable Interfaces
Mobile Development

SKILLS

PROGRAMMING

Programming Languages Used (Aprox 6 months):
• Python • C # • C++
Frameworks used (Aprox 6 months):
• Django • Codeigniter • Entity Framework ADO .Net •Open CV• ROS
Other technologies handled
• JavaScript • HTML • MySQL • CSS

EXPERIENCE

CENTRO DE INNOVACIÓN DEL ESTADO DE QUINTANA ROO | Software Developer

Sept 2013 – Dic 2013 | Chetumal, Quintana Roo

- Updating module (Advertising):
  - Learnt how to parse xml files received from a webservice in php(NuSoap), to save in a local sqlite database and download them through FTP
  - Created a configuration file for the system, for example changing the host name, file download folder etc.
  - Programming language used was C# with Visual Studio 2012 and it's different libraries

CENTRO DE INNOVACIÓN DEL ESTADO DE QUINTANA ROO | Community Service

Jan 2014 – June 2014 | Chetumal, Quintana Roo

- Equipment documentation and other activities
  - Research and test components of a libelium platform, sensors and programmable boards
  - Give talks to high school students about the internet of things and other projects being developed at the research facility

CENTRO DE INNOVACIÓN DEL ESTADO DE QUINTANA ROO | Internship and Thesis

Ago 2014 – Dic 2014 | Chetumal, Quintana Roo

- Wireless Network to monitor the quality of water in real time
  - A wireless network was develope for the adquisition of data to monitor the quality of water with the following sensors pH, temperature,Oxidation Reduction Potential (ORP). These sensors were placed on an Arduino board and configured
  - For the transmission of data collected by the sensors, the communication protocol implemented was ZigBee
  - Along side the configuration of the network a web system was developed to visualize the data of each node.
  - Software techonology used: Apache, Django, Python, MySQL, HTML, CSS, Javascript, Json y AmCharts

UNIVERSIDAD AUTONÓMA DE YUCATÁN Thesis Work

August 2015 – | Mérida, Yucatan

- Auto-organization of autonomous vehicles using reinforcement learning with particle swarm optimization
  - An algorithm is being developed to control drone formations with Q-Learning and PSO.

DISTINCCIONES

- 2010 Certificate of excellence in the May/June C.X.C Examinations
- 2010 Certificate of Distinction for achieving GPA at Corozal Community College

TALKS GIVEN

- 2014 Cuarto Congreso de Residencias Prof. del Dep. de Sist. y Comp. del ITCH con el proyecto Red de sensores para el monitoreo en tiempo real de la calidad del agua
- 2014 Ponencia para el 21° semana de Ciencia y Tecnología del CONACYT con el tema Internet de las cosas y proyectos del Centro de innovación con Lic Agustín Esquivel Pat y Br Doris Vianey Tun Caamal.

CONFERENCES AND WORKSHOPS ATTENTED

- 2013 Segundo Congreso de Residencias Prof. del Dep. de Sist. y Comp. del ITCH
- 2013 Tercer Congreso de Residencias Prof. del Dep. de Sist. y Comp. del ITCH
- 2014 Taller de Control de versiones (git) y DJANGO.

LANGUAGES

Spanish - Fluent
English - 1st Language

CAREER OBJECTIVE

So as to continue my professional formation I am Seeking a work place where am constatly challenged and that provides an opportunity to capitalize my intellectual skills and abilities in the field of computer engineering and Artificial Intelligence.