Andrés **Álvarez**

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PROFILE

Full Name: Jaime Andrés Álvarez Alonzo

Nationality: Honduras

Date of Birth: October 11 1990

Gender: Male

EDUCATION

BSc Computer Science   2008 - 2012
Universidad Tecnológica Centroamericana (UNITEC)

MSc Information Systems and Applications   2013 - 2015
National Tsing Hua University (NTHU)
Advisor: Hung-Min Sun (孫宏民)
Abstract: *A study on identifying and detecting potential bot-infected networks using traffic analysis and unsupervised machine learning techniques.*

SKILLS

Languages
Spanish: Native speaker
English: Fluent
Mandarin Chinese: Advanced (Listening, reading, writing, and speaking)

Programing & Coding
Ruby on Rails:
- Development of a web listing platform for rent and sales of apartments and housing in Honduras.
- Development of Justix, a web case management system for law firms and attorneys.

Visual Basic & C#:
- Development of SAP BusinessOne add-on applications using Microsoft Visual Studio and SAP SDK combined with Microsoft SQL Server.

C++:
- Development of a console-based chess application. Integrating many concepts in C++ such as inheritance, *ncurses* library, multiplayer support through networking, etc.

Python:
- Development of ZenPacks for Zenoss Core 4 monitoring solution.
- Usage of OpenStack Python SDK as well as Python clients.

PHP:
- Development of web platform for freelancing translating jobs for my final undergraduate project. The platform was written in pure PHP integrated with MySQL

Java:
- Developed an ADA compiler written in Java, which features and supports lexical and syntax analysis, scope checking, functions, intermediate code generation, and machine code generation. The application can also run the compiled ADA code.
- Developed a small database management system written in Java which supports SQL syntax analysis, creation of schemas and tables using SQL, insertion, deletion and update of records, as well as indexing support.

Other:
- HTML, CSS, SASS, Bootstrap and JavaScript for front-end web development.
- Version control using Git.
- MySQL, Microsoft SQL Server, and PostgreSQL.

EXPERIENCE

Internship – TIGO   *2008*
Did an internship at a very big multi-national telecommunications company in Tegucigalpa.

SAP Developer – Grupo POPA   *2011*
Development of add-on applications for SAP BusinessOne using Microsoft Visual Studio and SAP SDK.

Software Engineer – Industrial Technology Research Institute   *2015 - Present*
- Maintenance of ITRI's OpenStack monitoring platform (PDCM).
- Development of new features and add-ons for PDCM.
- Integration between OpenStack's Ceilometer and PDCM.
- Development of Unified Logging Access system which collects and analyses IaaS and PaaS logs, built using open source software such as ELK stack (Elasticsearch + Logstash + Kibana).

CERTIFICATES

Test of Chinese as a Foreign Language (TOCFL) – Speaking   *2014*
Certificate Level: 進階級 (Level 3)
CEFR Level: B1

Test of Chinese as a Foreign Language (TOCFL) – Listening   *2015*
Test Results: 進階級 (Level 3)
CEFR Level: B1
ACTFL Level: Advanced Low

Test of Chinese as a Foreign Language (TOCFL) – Reading   *2015*
Test Results: 進階級 (Level 3)
CEFR Level: B1
ACTFL Level: Advanced Mid

HOBBIES   I have many different hobbies such as playing and learning Flamenco Guitar, playing and studying Chess, learning new web development concepts and technologies, weight training, mountain climbing, reading, studying Chinese, etc.