Víctor Hugo Palacios Rivera

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Jorullo 1667, Col. Independencia Poniente, 44290. Guadalajara, Mexico.

WORK EXPERIENCE

Intel Tecnología de Mexico   Jun 2016 — Present
Software Engineer

- Part of the Systems Prototyping Lab research team, working on the ADAS research agenda for Intel Labs.
- Work activities include development of research platforms, PoC delivery, technology transfer to business units and IP generation.

Intel Tecnología de Mexico   Oct 2015 — Jun 2016
Graduate Intern Technical

- Intel's GDC IoT Lab Coordinator.
- Conduct IoT training for universities, schools and laboratories.
- Provide technological guidance to startups and small enterprises.
- Develop innovative proof of concepts using Intel's embedded platforms (Edison, Galileo).

TCS Limited America   Aug 2012 — Jun 2014
Computer Systems Engineer

- Part of the on-site (San Antonio, TX) document services team, designing, implementing and supporting internal systems for USAA, a large military bank and insurance company.
- First opportunity to design a complex system from scratch, supervised by the lead architect of the project.
- Production monitoring and support for several applications/systems owned by the team, dealing with urgent incidents and money-critical services.
- Offshore (Chennai, Hyderabad) resource coordination for both development and maintenance activities.

Tata Consultancy Services   Sept 2010 — Aug 2012
Java Developer

- Part of the nearshore (Guadalajara) bank business services team, developing back-end systems for USAA.
- Using the Java J2EE platform and web services technologies, we provided the necessary interfaces to access information from an external credit score vendor.

Sistema de Universidad Virtual   Dec 2009 — Sept 2010

IT Support

- Telephony and network support.
- General IT support for the main offices.

QUALIFICATIONS

- Excellent problem analysis and problem solving skills.
- Solid understanding of Algorithms, Data Structures and Object Oriented Programming.
- C, Java, C# and Python programming background.
- Oracle Certified Professional, Java SE 6 Programmer.
- Expertise in J2EE Technologies, Java WebServices and XML development.
- Web Development using HTML, JavaScript, JSON, Ajax.
- Focused more on back end systems, rather than presentation layers.
- Database development with DB2, Mysql, Postgresql and Hibernate technologies.
- Moderate-Advanced Unix/Linux knowledge, including Kernel customization and Bash scripting.
- Embedded systems development on Edison, Galileo, Raspberry and Arduino boards.
- Basic understanding of electronic circuit theory.

EDUCATION

Master of Science in Computer Science   Sept 2014 — Present

Centro de Investigación y de Estudios Avanzados del Instituto Politécnico Nacional, Guadalajara.

- Handity project, a project aimed at giving haptic feedback to a user immersed in a VR environment created with the Unity3D engine.
- CityFARM IoT platform, a project focused in providing IoT/cloud capabilities to the urban agriculture developments in Guadalajara.
- Thesis focused on service composition and coordination for Multi-Agent Systems running on embedded platforms.

Bachelor of Science in Computer Science   Aug 2005 — Sept 2010

Centro Universitario de Ciencias Exactas e Ingenierías. Guadalajara. México.

- Major/Specialization in software development.
- CREES award received for best GPA score (97.07) in UdeG Computer Engineer class of 2010.

Student Interchange Program   Sept 2008 — Aug 2009

Universität Bayreuth. Bayreuth, Germany.

- Foreign language studies (German, Italian).

- Software development focusing on database managing.

Technical degree in Computer Science   Sept 2001 — Aug 2004

Centro de Enseñanza Técnica Industrial. Plantel Colomos, Guadalajara. México.

- Software and hardware technician.
- Degree focused more on the electronics part of computer science.
- Designed and implemented a minimal circuit for the 80C52 microprocessor.

INTERESTS

- I like amateur/semi-pro photography. This led me to implement an Expert system for a class in the university that would tell you what camera settings were best depending on a subject's light conditions and other factors.

- I'm also implementing a from-the-scratch operative system on my spare time, currently featuring *very* basic memory and process management; current objective is to implement a minimal tcp/ip protocol stack.

REFERENCES

- Edwin Daniel Castellanos Hernandez, +52 333 956 8606

- Cesar Alberto Gaytan Ibarra, +52 333 808 9046