https://github.com/lopezpdvn
Self-sponsored work authorization - TN Visa

PEDRO I. LOPEZ
http://pedroivanlopez.com

+52 81 8023 1545
m@pedroivanlopez.com

Education	• **Master of Information Engineering in Computer Science**, 2015, Autonomous University of Nuevo León. Overall Grade 94.5/100.0 • Bachelor in Mechatronics Engineering, 2012, Autonomous University of Nuevo León, graduated with honors, Overall Grade 95.9/100.0
Experience	**Self-employment**, Monterrey, Nuevo León, Mexico 2015-2016. Coached undergrad students on computer science and software engineering **Infosys Ltd**, Monterrey, Nuevo León, Mexico **Systems Engineer**, January 2013 to February 2015. Contractor for a Fortune 100 multinational banking and financial services corporation. Development, administration and support team for a global trade finance application used mainly in North America and Asia • Coded and tested new agents/batch-jobs and features in Java, C#, JavaScript and Windows Batch • Designed and implemented a Windows Script Host script in JavaScript to retrieve scanned image and metadata files from the scanner workstations to our server and prepare for further processing • Fixed 350 incidents, including code bugs, development of new features, customers with invalid data in production and outages • On-call primary contact for 20 weeks • Led 30 Request For Change procedures to install code updates and to update data via SQL scripts • Supported production and test environments for clients and other teams in the bank • Knowledge management via documentation of known issues and fixes, to coach offshore resources **Center for the Development of the Software Industry**, Monterrey, Nuevo León, Mexico. **Software Engineer**, October 2012 to January 2013 • Performed testing and quality assurance of an enterprise financial Web platform for a Mexican bank, implemented in Java Enterprise Edition and JavaScript **School of Physics and Mathematics at UANL**, Monterrey, Nuevo León, Mexico **Research Assistant** (internship), August 2011 to February 2012 • Developed and maintained robust control systems software in MATLAB and Simulink • Co-authored one published paper: Basin, M.; Serna, M.; Lopez-Hernandez, P.I., *Central energy-to-peak filter design for uncertain linear systems*, Control Conference (ASCC), June 2013 **School of Mechanical and Electrical Engineering at UANL**, Monterrey, Nuevo León, Mexico **Laboratory Assistant** (internship), February 2012 to August 2012 • Supported students with Python, MATLAB and LabVIEW programming and electronics
Computer Skills	• **Languages**: Python, JavaScript, C#, Java, HTML, CSS, Bash/UNIX Shell Scripting • **Data/Databases**: Microsoft SQL Server, Oracle, MySQL, SQLite, JSON, YAML, XML • **Applications**: Microsoft Visual Studio, Visual Studio Code, Git, Toad, Cygwin, Vim, OpenSSH • **Technologies**: .NET, Java, Node.js, xUnit, Docker, Spring, Hibernate, Jekyll, Sphinx documentation tools • **Operating Systems**: UNIX (Fedora, Ubuntu, Red Hat Enterprise Linux, Android), Microsoft Windows (Server 2003, XP, Vista, 7, 8, 10), • **Other**: Linux user for eight years, proficient with UNIX command line interface, technical documentation writing, homebuilt computers enthusiast
Projects	• ASPNET5CO: Advocacy and Community. Efforts to advocate the ASP.NET Core framework, http://pedroivanlopez.com/aspnet5co • Data structures and algorithms in C#, https://github.com/lopezpdvn/DataStructuresAlgorithmsCSharp • mazerob: Bluetooth-remote-control robot implemented with Java Virtual Machines on a PC and a Lego NXT Brick, http://pedroivanlopez.com/mazerob • printer73x: A computer numerical control system for printing binary images, http://pedroivanlopez.com/printer73x