Christopher Martinez Servin

✉ cmarti397@alumni.harvard.edu • 🌐 marti397.github.io • marti397 • in chrismartinezservin
Mexican Citizen – H1B Visa – Chicago, IL

Education

Harvard University: Master of Liberal Arts, Field: Information Management Systems   May 2017

Harvard University Extension School: Graduate Certificate in Data Science   May 2017

Purdue University: Bachelor of Science in Industrial Engineering   May 2014

Other
Clemson University: Master of Engineering in Risk Engineering and System Analytics, Expected Dec 2020

Programming Experience
Python, JavaScript, C, Java, R, SQL, Hadoop Ecosystem

Awards
Harvard University: Master of Liberal Arts, Dean's List Academic Achievement Award (3.86 GPA)

Work Experience

Engineering
American International Group (AIG): *Account Risk Engineer*   Jun 2020 - Present
Conducted holistic risk assessments of Large Limit, Middle Market and E&S accounts that allow the Underwriter to better understand risk and underwrite risk. This analysis assists with the decision to allocate capacity, buy reinsurance and deciding when the account does or does not meet with risk appetite. This assessment includes analyzing both the physical risk and the intricacies of exposures to the business income of clients.

American International Group (AIG): *Loss Prevention Risk Engineer*   Jul 2014 - May 2020
Conducted risk evaluations to identify and analyze conditions that could result in property damage and business interruption. Helped manage workplace hazards, developed safety programs, and navigated regulatory requirements in whichever industry clients operate.

Software
RSA, The Security Division of EMC: *Anti-Fraud Analyst I*   Jan 2013 - May 2013
Detected and analyzed online threats (phishing, pharming and the like) and acted according to RSA procedures to deploy counter measures, block and shut down the threat.

Vasc Alert: *Software Engineering Intern*   Sept 2012 - Dec 2012
Modified the CRM software (SugarCRM) according to the specifications of the manager.

Condor Business Solutions: *Software Engineering Intern*   May 2012 - Aug 2012
Developed a desktop application using Visual Studio and the MS Office package to automate the process of managing and collecting information for the restricted lists that the Anti Money Laundering institutions need.

Purdue University: *Engineering Projects in Community Service*   Aug 2011 - Dec 2011
Developed a new database app using MySQL, C++ and Visual Basic to store patients' records.

Work Sample

Online Store - Full
MongoDB, ExpressJS, NodeJS, pug/jade view
https://rocky-coast-78495.herokuapp.com/

US Presidents
D3.js
http://vielgi.github.io/

Research

Predicting Epilepsy using Random Forest
Python, Principal Component Analysis (PCA), LDA, LogReg, Random Forest, Support Vector Machine (SVM), Boosting
C. Martinez, G. Nignon, M. Khamis, S. Bowley, 2016.
https://sites.google.com/view/predictingepilepsy/home

Why Manchester United Desperately Need a Title this Season, using R
R, T-Tests, LogReg, AIC, P-Value Permutation Test
C. Martinez, M. Campara, N. Goldberg, S. Zhao, 2015.
http://marti397.github.io/public_docs/ManU_Stats.pdf

Teaching

Purdue University: *Supplemental Instruction Leader*   Jan 2013 - May 2013
Planned and led weekly classroom sessions of the Modern Mechanics course at Purdue University (PHYS 172) as part of the Supplemental Instruction program

Language

Fluent: *English and Spanish*

Purdue University: *Milton in Translation Internship*   Sept 2011 - Dec 2011
Translated and contrasted the 17th century verse "Paradise Lost" by John Milton

Entrepreneurship

MCE Sports: *Partner*   Aug 2012 - Jun 2015
Founded a college-recruiting agency that helps Mexican athletes obtain college scholarships in the United States

Leadership

Purdue University: *Resident Assistant*   Jul 2013 - May 2014
Facilitated the social, academic, and personal adjustment of graduate students to the residence hall and University. Enforced the rules and policies of Residence Life, Housing Services and the University. Acted as a liaison between residents and the University administration.

Delta Pi Rho Fraternity: *Recruitment Chair*   May 2011 - May 2012
Planned, organized and developed fall and spring recruitment events.

Purdue University: *Student Clerk*   Aug 2011 - Dec 2012
Focused in providing business support in the Community Center at the Purdue Village Residence Hall.