Uriel Alonso Gutierrez Chavez

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OBJECTIVE

Looking to obtain a position drawing on strong analytical, quantitative, and communication skills. Specific areas of interest are Analysis, Research, Development, and Product Management

EDUCATION

University of Pennsylvania, School of Engineering and Applied Science, Philadelphia, PA   Dec 2014
Master of Science in Engineering, Systems Engineering
Relevant Courses: Engineering Economics, Simulation Modeling and Analysis, Project Management
Relevant courses from The Wharton School: Optimization Theory, Corporate Finance, and Investment Management

Lyon College, Batesville, AR   May 2013
Bachelor of Arts, Computer Science with minor in Mathematics, Physics, and Economics
Cumulative GPA: 3.575/4.00, Major GPA: 4.00/4.00
Relevant Courses: Data Structures and Algorithms, Macroeconomics, Numerical Analysis, Probability and Statistics

SKILLS

- **Software:** VBA(Excel), MATLAB-Simulink, Java, C, C++, SQL, Python, HTML 5, CSS, JavaScript
- **Applications**: Office Suite (Word, PowerPoint, Excel, Access, Project), @Risk for MS Excel and Project, Bloomberg, Morningstar, QuickBase, Eclipse, Dreamweaver, MS SQL Server , AutoCAD, ArcGIS
- **Languages:** English (fluent), Spanish (fluent)   **Operating Systems:** Windows, OS X, Linux

EXPERIENCE

GIS Analyst
City of Philadelphia Redevelopment Authority, Philadelphia, PA   July 2014 – Present
- Optimized performance-tracking systems using Excel (VBA); resulted in 15% increase in performance
- Developed models and obtained critical data using ArcGIS and Python on over 500,000 locations to be used for urban planning proposals
- Evaluated software used by the city, identified possible improvements and tested modified software

Lead Project Manager
University Informatics Associates Inc., Philadelphia, PA   May 2014 - Present
- Team leader in the development of a Java desktop application for analyzing risk in large projects using Montecarlo Simulations, NPV, IRR, and Cost/Benefit Analysis
- Designed UI alongside patent owner, and led 3 UPenn Engineering students on the development of such prototype

IT Student Supervisor
Lyon College IT Department, Batesville, AR   August 2011 - 2013
- Led and managed over 10 IT projects, such as the implementation of network systems to new buildings and the upgrade of network system across the entire campus, while supervising between 5 to 10 people
- Analyzed the technical difficulties of students, faculty and staff, designed and communicated possible solutions to technical and non-technical users, and implemented the solution selected by the customer
- Recommended new projects and communicated progress of ongoing projects during IT Management meetings

Summer IT Intern
Ozark Information Services, Batesville, AR   Summer 2012
- Assisted with support and expansion of networks and database systems at local businesses
- Worked in field to analyze customer needs and implement effective solutions; created excellent rapport with clients

PROJECTS

- **Student Course Optimization:** Designed, developed, and implemented algorithm to find optimal schedule for Penn students based on their preferences and requirements using GAMS optimization software and PennCourseReview
- **Online Courses:** Completed Udacity's Web Development course on backend programming using Python

LEADERSHIP AND AWARDS

Mortar Board National Senior Honor Society (2012)	Tau Kappa Epsilon Fraternity – Xi Tau Chapter
Honor Council Member (2012-2013)	Student Government Organization Member (2011)
Lyon College Dean's List, fall 2011 and spring 2012	Who's Who Among Students in American Universities