

Lucien Hache

José Amado Soler #69, Paraíso | Santo Domingo, Dominican Republic
lucien.hache@gmail.com | +1 (829) 576-1111

Objective

A Civil Engineer I position in an Engineering Design & Consulting firm or a Construction Management firm. Seeking to utilize knowledge in fields of Construction Management, Geotechnical (Geosynthetics) and Transportation Engineering. Over 2 years of work experience. Also fluent in English, Spanish and French. Certified by the U.S. Green Building Council as a LEED® Green Associate and scheduled for LEED Accredited Professional in Building Design & Construction (LEED AP BD+C). In the process of being licensed Civil Engineer by the Dominican of Engineers, Architects and Surveyors (CODIA).

Education

Drexel University

Master of Science in Civil Engineering
Geotechnical Engineering Concentration

Philadelphia, PA
June 2010

Drexel University

Bachelor of Science in Civil Engineering
Cumulative GPA: 3.25

Philadelphia, PA
June 2010

Employment Experience

Imbert-Domínguez & Asociados – Maireni Bournigal & Co.

Junior Engineer – Planning, Scheduling & Cost Control

Santo Domingo, Dominican Republic
January 2011 – Present

- Reviewed and analyzed concrete and steel resources for Agora Mall's cost control
- Monitored the project's execution and performance using Primavera P6
- Calculated monthly payroll and created expense reports
- Advised the company's sustainable practices and enforced green construction and thinking
- Supervised the project's waste reduction policies by following LEED® requirements
- Contributed to the development of the company's new corporate presentation used for bidding potential projects
- Supported the project's IT needs with technical support and troubleshooting

Junior Engineer – QA/QC Department (Concrete)

July 2010 – January 2011

- Conducted the QA/QC of the project's poured concrete supplied by VMO Concretos and Cemex Dominicana
- Administered the concrete's quality following ASTM and ACI Standards
- Helped develop QA/QC documentation and process used in the department for tracking and analyzing real data of Agora Mall's 74,000 cubic meters of concrete
- Coordinated the placement of 20,000+ cubic meters of concrete and generated daily, weekly and monthly programs

Michael Baker Corporation

Map Modernization Engineering Intern

Philadelphia, PA
September 2007 – March 2008

- Supported FEMA Region III's activities as a National Service Provider for its National Flood Insurance Program
- Worked on the Map Modernization Team, updating the Nation's Inventory of Flood Insurance Rate Maps for DC, MD, DE, PA, VA and WV
- Operated and managed ArcGIS software to map and analyze Base Flood Elevation changes/impacts on Flood Zones
- Performed traffic field study and collected information for traffic analyses for several projects in the Philadelphia area
- Collaborated in the creation of pedestrian surveys to improve transit on several projects

City of Philadelphia – Streets Department

Engineering Intern – Survey Corps

Philadelphia, PA
October 2006 – March 2007

- Formulated necessary measurements to determine relative positions of points on different surfaces
- Operated and managed surveying equipment including Topcon Total Stations
- Conducted calculations to determine locations and areas of various properties and utilities
- Created drawings of properties and street elevations and settled stakes to delineate boundaries and to guide construction operations

Research Experience

Earthquake induced landslides in Colima, Mexico

Researcher Assistant / Joseph Wartman, PhD, PE

Philadelphia, PA
Summer 2009 – Fall 2009, Spring 2010

- Summarized the geotechnical reconnaissance findings of January 26, 2003 collected by Professor Joseph Wartman
- Investigated distribution and damage caused by the Tecmán earthquake of Colima, Mexico
- Performed a preliminary analysis on the major locality points where landslides were observed
- Worked on GIS software like ESRI ArcGIS and Google Earth Pro to illustrate and classify the impacts of the landslides

Related Coursework

Advanced Concrete Technology
Geosynthetics I, II, III
Ground Modification
Sustainable Principles & Practices

Experimental Soil Mechanics I
Geotechnical Engr for Highways
Solid Waste Systems
Transportation Planning and Capacity

Computer Skills

Software: *Computers & Structures* SAP2000, *ESRI* ArcGIS 9.3, *Autodesk* AutoCAD 2011, *Google* Sketchup 7, *Microsoft* Office Suite/Project, *Oracle* Primavera P6, *Soft* Presto 8.8, *Adobe* Creative Suite CS5, *Simulia* Abaqus/CAE, *Maplesoft* Maple 15, *NI* LabVIEW.
Operating Systems: Windows 7/Server 2008, Mac OS X, Linux.
Languages: CGI/PERL, Visual Basic, HTML, SQL.