

# Ana Sofia Aramayo Carrasco

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## SUMMARY

Forward-thinking Industrial Engineer with the ability to bring together technical requirements with business goals, resulting in successful solutions. Strong analytical skills, problem solving ability, work ethic, independence, effective communication skills, and over-all positive attitude.

## EDUCATION

### University of California, Berkeley

Master of Engineering, Industrial Engineering and Operations Research

Berkeley, CA

Expected May 2016

- Intensive one-year masters program with coursework in project management, finance, accounting, marketing and entrepreneurship integrated into a technical based industrial engineering curriculum.
- Technical courses: Optimization Analytics, Simulation & Data Analysis, Supply Chain & Logistics Management, Financial Engineering, and Portfolio & Risk Analytics.

### Purdue University

Bachelor of Science, Industrial Engineering; Economics Minor

West Lafayette, IN

December 2013

- Graduated summa cum laude (G.P.A. 3.71/4.0)

### University of Chicago, Booth Graduate School of Business

Summer Business Scholars Program (SBSP)

Chicago, IL

July 2014

- Intensive one-month program with coursework in corporate finance, accounting, marketing and leadership.

## PROFESSIONAL EXPERIENCE

### Arcoteco Peru S.A.C. (Steel Construction Company)

Business Analyst

Lima, Peru

January 2014 - July 2015

- Developed formal process documentation and supervised performance & quality assurance tests to attain government approval of a new rooftop construction system.
- Spearheaded 20 percent cost reduction by analyzing and identifying cost saving opportunities of business activities including raw material purchases, inventory control and direct labor.
- Led weekly walkthroughs, inspections and verification meetings with key project stakeholders.
- Designed and reviewed different comprehensive data reports using MS Excel and presented monthly reports to Management.
- Served as a liaison between Design, Marketing and Sales teams to bridge gaps.
- Drafted, designed, and composed user and training manuals, test plans and technical documentation.
- Delivered technical presentations to clients and at company wide event.

### BCI Miami (Specialized Business Unit for Private Banking)

Risk Analyst Intern, Credit and Underwriting Department

Miami, FL

Summer 2013

- Analyzed client financial summaries by interpreting financial ratios.
- Revised and prepared credit and legal documents for Federal Reserve audit.
- Designed a database in MS Excel to organize, search, and manage audit documents.

### Grupo IACCSAC (Consulting and Securities Intermediary Company)

Financial Consultant Intern

Lima, Peru

Summer 2012

- Analyzed cash flows and structured financial data of multiple projects to determine profitability.
- Collaborated with work teams in evaluating strategic funding options to ensure project success.

## ACADEMIC PROJECTS

### UC Berkeley Student Wellness App; Capstone Project, UC Berkeley

August 2015 - Present

- Building an app that will make use of UC Berkeley's data sources to provide algorithmically generated suggestions to improve scholastic and life outcomes for over 35,000 students.
- Directing a market study and proposing business plan strategies to commercialize the application.

### Wabash Center Greenbush Industries; ENGR 431: Industrial Engineering Design, Purdue University

Fall 2013

- Evaluated and proposed cost-effective solutions to improve process flow in the manufacturing plant.
- Implemented solutions achieving 20% decrease in overall material handling.

## SKILLS AND LANGUAGES

**Computer Skills:** Microsoft Office, AutoCAD, MATLAB, Minitab, Arena, Sigma, C++, R and SQL

**Languages:** Fluent Spanish, Conversational Italian

## HONORS & AWARDS

Purdue University Dean's List and Semester Honors (all semesters); Society of Hispanic Professional Engineers

Scholarship (2012-2013); Alpha Pi Mu: The National Industrial Engineering Honors Society Vice-President (2012-2013);

Society of Hispanic Professional Engineers Board of Trustees (2010-2013)