

Shixian (Silvia) Yang

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Skills and Credentials

Programming: MATLAB, SQL, Python, Java, R

Certificate: Bloomberg Market Concepts

Education

Boston University, Questrom School of Business

Boston, MA

M.S. Mathematical Finance & Financial Technology

Expected January 2022

Occidental College

Los Angeles, CA

B.A. Mathematics (GPA 3.49)

May 2019

- Minors: Computer Science, Japanese Studies | Major GPA: 3.68
- Study Abroad: Wuhan University, Hubei, China (Summer 2017) | Sophia University, Tokyo, Japan (Summer 2016)

Experience

The Nielson Company LLP

Beijing, China

Data Analytics Assistant, Finance Vertical

August 2019 – August 2020

- Performed quantitative analysis on Net Promoter Score (NPS) and customer satisfaction data collected from 7,000 online questionnaires regarding user satisfaction of mobile banking app (Excel)
- Conducted qualitative research through customer interviews and organized pain points for further analysis
- Suggested strategic improvements for app improvement to the client using PowerPoint report
- Coded an algorithm to create graph using Excel Visual Basic and Macro, saving team multiple hours every month
- Designed customer journey maps for an insurance company and two commercial banks

Deloitte Consulting LLP

Beijing, China

Intern

July 2018 - August 2018

- Conducted qualitative and quantitative research on case studies of digital transformation in electric grid industry, and smart city solutions in multiple developed countries, and presented the summary to the team
- Researched business processes and organization chart of a technology college owned by Chinese electric company and assisted with design and development of the college's revamped business structure using Visio and PowerPoint

Projects

Occidental College (OXY)

Los Angeles, CA

SQL Database Implementation

Spring 2019

- Cooperated with a team member to scrape 3,000 data entries from 20 museum websites
- Designed a MySQL database using a relational database structure to store raw data
- Programmed an Android application in Java to enable users to view, search and edit database
- Presented a demo using a PowerPoint presentation in front of classmates and professors

Optimization of Alignment of Gear Teeth, PIC Math program of Mathematical Association of America

Spring 2017

- Collaborated with two classmates to solve industrial problem proposed by a gear machine manufacturing company
- Programmed a gear teeth alignment simulation in Java to generate data sets for analysis in Excel
- Solved problem with theoretical proof and validated the results using a model created in Excel
- Prepared a report in LaTeX, and presented the solution and demo to professors and industry professionals

Additional Information

Languages: English, Mandarin, Japanese

Sports: Won gold, silver, and bronze medals in Karate tournaments representing OXY Karate (2017-2019)

Volunteering: Tutored elementary school students as part of Asian-American Tutorial Program (2015-2017)

Leadership Experience: Worked as shift supervisor at GB Coffee Lounge at OXY (2016 -2019); proposed idea for a new product and assisted with marketing campaign, resulting in less product wastage and increased revenue