Fu-Chi Shih

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PROFESSIONAL EXPERIENCE

Data Analyst, Blue Technology, Taipei, Taiwan   2015/01 - 2015/06
- Modelled decision trees of 10,000 mobile subscribers and predicted mobile subscriber churn using R for the 3rd largest mobile network operator in Taiwan.
- Aggregated 6-month call detail records (CDRs) to derive attributes for the churn prediction models, extracted important features through boosting method, and achieved 84% predictive accuracy and 72% true positive rate.
- Delivered 6 three-hour training sessions to engineers and PMs on how to apply R to wrangle data, impute missing values, visualize information with ggplot2, and perform supervised and unsupervised learning tasks.

Trade Marketing Specialist, SCA (Swedish Cellulose Company), Taipei, Taiwan   2013/08 - 2014/05
- Managed US$0.7 million budget for trade marketing activities of three baby diaper brands in five channels.
- Coordinated with sales team to develop product strategies for different channels to achieve a total 5% sales growth and 90% product distribution coverage.

Business Consultant (specialized in supply chain), Modular Management, China & Taiwan   2011/02 - 2013/06
- Developed modular product architecture to increase product configurability by 25% and utilized concurrent engineering to decrease time to market by 20% for Haier Group, China's largest home appliance manufacturer.
- Led client's cross-functional team to streamline supply chain and manufacturing process, saving US$2.5 million a year through planning outsourcing strategy and adjusting production process.
- Assisted project manager to initiate project by negotiating contract terms with client, conducted workshops with client's cross-functional team, and delivered beneficial solutions to improve production efficiency.

Marketing Intern, Schaerer Ltd. Coffee Machines, Bern, Switzerland   2009/07 - 2009/08
- Researched Chinese youths' beverage-consuming behavior by designing questionnaire surveys, collecting surveys data, carrying out descriptive analysis, and presenting research result to top management.

EDUCATION

National Taiwan University (NTU), Taipei, Taiwan   2006/09 - 2011/01
   B.B.A in Business Administration (Concentration in Operations and Decision Management)
- Honors: Two-time Presidential Award winner - top 5% of the department

University of Mannheim, Mannheim, Germany   2009/09 - 2009/12
- Exchange Student of Faculty of Business Administration

PROFESSIONAL DEVELOPMENT

Volunteer Research Assistant, Industrial Engineering & Operations Research, UC Berkeley   2015/09 - Present
- Built dynamic linear models on data from Dominick's grocery chain, under Professor Candace Yano's supervision.
- Conducted exploratory data analysis and inferential statistics to examine how demographics and price differences influenced the demands of multiple categories over a period of eight years, using SQLite and R.

Auditing Upper-Division Statistical Courses at Department of Statistics, UC Berkeley   2015/08 - 2015/12
- STAT 153 - Introduction to Time Series (Individual project: *Analyzing number of Taiwanese visitors to the U.S.*)
- STAT 134 - Concepts of Probability (Core statistics course for statistics major)

Online Certificated Courses in Computing and Mathematics
- Linear Algebra ; Multivariable Calculus @Udemy   2015/12
- Python Data Structure (School of Information, University of Michigan) @Coursera   2015/12
- R Programing, Getting and Cleaning Data (with R) (Biostatistics, Johns Hopkins University) @Coursera   2015/09

Programming courses (R and Python), Computer Science & Information Engineering, NTU   2014/06 - 2014/12

SKILLS AND EXTRACURRICULAR ACTIVITIES

Information Skills: **R, Python, SQL, Git, AWS** (Amazon Web Services), and **Tableau**
Cycled around Germany, Czech, Austria, Hungary, and the Netherlands with two friends for 52 days. 2008/07 - 2008/08
Scout Group, **NTU** (*Chief Executive Officer of the "Brownsea Island Training Camp"*)   2007/10 - 2008/02
- Led a team of 18 to arrange a 6-day camp in mountains for 40 participants.