RIZEN YAMAUCHI

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EDUCATION

Bachelor of Science in Computer Engineering, Minor in Mathematics
San Jose State University, San Jose, CA

SKILLS

- Proficient in C, C++, HTML, CSS, JavaScript, SQL, Python, R, Tableau, UNIX Shell Script
- Intermediate Knowledge in iOS Swift, Ruby, Java, C#
- Proficient in spoken/written languages – Japanese, Nepali, Hindi

PROFESSIONAL EXPERIENCE

Cisco System Inc. – San Jose, CA

Data Analyst   *January 2017 - Present*
- Optimized statistical models and automated processes to provide upsell and cross-sell opportunities for Cisco Services; utilized by 500 sellers monthly and resulted in $20M incremental bookings in 8 months.
- Built an automated collaborative filtering process using R, Python, Plotly, Dash and Tableau to predict KPIs, and developed front-end UI for analytical dashboard.
- Uncovered best practices from SMEs and created clear and concise dashboards by querying and merging multiple large data sets; provided executives with a view of business health and trends.
- Collaborated cross-functionally with IT, Technical Service Product Management, Finance, Sales, and Business Operations to help identify, prioritize, incubate, and scale enhancement opportunities; ensured long-term scalability of analytics.
- Engaged with Business Leads within the Cisco Global Team to gather feedback, execute against milestones, consolidate insights, and assist with long range planning.

San Jose State University Tower Foundation – San Jose, CA

Data Mining Research Assistant   *January 2016 – August 2016*
- Developed a Python recommender system application using various collaborative filtering techniques, such as model based (matrix factorization/ALS algorithm) and memory based (Pearson-correlation).
- Researched and implemented the integration of social network into the recommendation system, to create a social recommender system that uses the preferences of the users' friends and friends' networks.
- Tested the recommendation system using real life Yelp dataset and performed statistical analysis of the recommendation model.
- Collaborated with a development team to produce an iOS application, which would use the API provided by the recommendation system.

Stylebar − Santa Clara, CA

.NET Application Developer   *August 2014 – December 2015*
- Efficiently designed, improved, and maintained internal tools and applications in ASP/ASP.NET/C# and JScript.
- Regularly updated development, test and production environments with code/database changes, changed control system and a bug tracking system in a timely manner.
- Prototyped new features and UI capabilities to confirm the feasibility of architectural conceptions and designed interfaces.
- Designed and implemented front-end graphical web UI hinged on jQuery callbacks in combination with CSS/HTML.
- Modifed existing software to fix bugs, eliminate performance and improve compliance standards/protocols.
- Actively participated in daily SCRUM meetings, produced quality deliverables in a timely manner, and maintained an understanding of the business cycle.

LEADERSHIP AND ACTIVITIES

- Leader for Caretakers of the Environment Conference held in Debrecen, Hungary (2011 – 2012)
- Organizer/Leader for Nepal Earthquake relief campaign at San Jose State University (2015)
- Teacher's Assistant for Electrical Engineering course at San Jose State University (FALL 2015)

ACADEMIC PROJECTS

Movie Recommender System:
- Developed a web application on Ruby on Rails using PredictionIO Engine Server and Apache Spark MLlib ALS algorithm.
- Created web application's front end with HTML5, CSS, JavaScript, JQuery, and Bootstrap framework.
- Populated the PostgreSQL database with a Python Script and CSV file which included movie information and user ratings.