PIRANUT (NAT) LAPPRATHANA

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EDUCATION

Syracuse University, School of Information Studies | Syracuse, NY   2013 - 2017

B.S. Information Management and Technology (GPA: 3.8/4.0)

Dean's List (Fall 2013 – Present)

Relevant Courses: Application Programming for Information Systems, Information Technology Management and Administration, Managing Information Systems Projects, Intro to Database Management Systems

EXPERIENCE

Syracuse University School of Information Studies | Teaching Assistant   Jan. 2016 – May 2016

- Assisted students with Java programming, assignments, final projects and held office hours throughout the semester
- Proposed course lectures which got implemented; achieved over 60% increase in weekly attendances

iSchool Social Computing Systems Lab (SALT) | Undergraduate Researcher   Aug. 2015 – May 2016

- Conducted research in security, accessibility and ways to improve authentication for people with disabilities
- Built network detection feature in Swift for iOS app, reducing login time by 50% for visually impaired mobile users
- Interviewed blind users, analyzed quantitative and qualitative data and metrics such as time to log in and pair devices

Ernst & Young | IT Audit Intern   June 2015 – Aug. 2015

- Analyzed financial services companies' IT general controls at the operating system, database and application levels
- Tested the company's users access management (100+ users); analyzed company's internal databases with Excel
- Interviewed IT Managers at financial institutions for validation; presented walkthrough docs to senior executives
- Utilized EY technologies (EY Random) to test the validity of client's backup and recovery of financial data procedure

SELECTED PROJECTS

Visualizing U.S. Flight Performance: Analyzed 185,000+ U.S. domestic flights from 2003-2014 and visualized data with D3.js to reveal patterns and trends in percentage of on-time arrival and delay of top airlines; saw 5-13 percent performance improvements across all airlines (D3.js, R)

Exploring Major League Baseball Performance Metrics: Collected, cleaned and aggregated data about different performance metrics from Major League Baseball from 1871-2014 to analyze relationships between metrics and characteristics of players with highest salaries (Python: NumPy/Pandas/Matplotlib)

Red Wine Exploratory Data Analysis: Conducted exploratory data analysis to identify structures, patterns and relationships in data containing 1,600 red wines to determine which chemical properties most influence the quality of red wine (R)

Netbook (Web App): Built e-commerce web application prototype for selling technical and design books and integrated back end system for storing customer's orders and login information using PHP and MySQL

LEADERSHIP

Korean American Student Association | Vice President + Design Chair   2014 - 2016

- Designed publicity materials and developed marketing strategies; achieved 100% increase in Facebook followers
- Supervised and obtained $40,000 in funding for 2 annual events: Korea Night and Formal (190+ attendees each)
- Managed external communications and partnered with other organizations for potential collaborations

Wat Khai Community Service, Thailand | Co-Director   2013 - 2014

- Established school's largest community service to teach over 100 underprivileged children math and English
- Led weekly meetings and sessions and recruited over 20 student volunteers, managed project schedules and goals

SKILLS

Programming: SQL, R, Python, Java, JavaScript, D3.js, PHP, HTML/CSS

Tools: MS SQL Server, MySQL, Linux, RStudio, Google Maps APIs, Google Analytics, NetBeans, Photoshop, Illustrator