

# PIRANUT (NAT) LAPPRATHANA

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## EDUCATION

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**Syracuse University, School of Information Studies** | Syracuse, NY

2013 - 2017

B.S. Information Management and Technology, Minor in Finance (GPA: 3.8/4.0)

Dean's List (Fall 2013 – Present)

**Relevant Courses:** Application Programming for Information Systems, Information Technology Management and Administration, Applied Information Security, Intro to Database Management Systems

## EXPERIENCE

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**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
- Demonstrated lab assignments in NetBeans IDE to 60+ students

**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 DATA PROJECTS

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**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

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**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 supervised over 20 student volunteers, managed project schedules and goals

## SKILLS

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**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