

Tino (Sheng Tao) Huang

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EDUCATION

University of Pennsylvania

Master of Science in Engineering, Systems Engineering, cumulative GPA: 3.55/4.00

Philadelphia, PA

May 2014

University of Illinois at Urbana-Champaign

Master of Science in Civil Engineering, cumulative GPA: 3.59/4.00

Champaign, IL

May 2013

Bachelor of Science in Civil Engineering, cumulative GPA: 3.87/4.00 Graduated with high honors, Dean's list

May 2012

Related Courses: Data Mining, Mathematical Modeling in Finance, Optimization, Engineering Economics, Project Management, Statistics, Probabilities, Linear Programming, Data Structure, Corporate Finance

PROFESSIONAL EXPERIENCE

Crowdflutr

Creative Analyst – Part-time

Philadelphia, PA

Jan 2015 – present

- Joined team at crowdsourcing ideas platform that aims to provide world's largest brainstorming session
- Categorized ideas collected from official website by different subject matter, such as app ideas, social ideas, sports ideas
- Developed algorithms such as most liked, highest like/dislike ratio, deepest learning curves to evaluate ideas from platform
- Improved the user interface and experience for the platform by adding new features after getting feedback from testing users

T.Y.LIN International

Structural Engineering Intern

Guangdong, China

June – August 2013

- Examined and revised calculation for foundation at Hongkong-Zhuhai-Macau Bridge
- Designed foundations for 3 suspension bridges for Science city of Guangzhou using Chinese geotechnical design code
- Finished modeling drawing and optimized materials for four pedestrian bridges in Guangdong independently

University of Illinois at Urbana-Champaign

Research Assistant, Department of Civil Engineering

Champaign, IL

August 2011 – August 2013

- Conducted research on decision analysis and its application to transportation systems
- Converted, cleaned, and analyzed data for CSX train wheel and snow plow project guided by a PhD candidate

PROJECTS

Predicting Album Success Using Tweets

Spring 2014

- Analyzed tweets collected about recording artists in past years prior to their album releases using Python
- Manipulated data using software Weka and Lightside and integrated series of mathematical models
- Predicted successfully that 67 percent of selected albums went on top 100 Billboard at end of year

Anomalies and Human Factors in the Air Transport Fleet

Spring 2014

- Examined relationship between certain aircraft attributes and incidence of anomalies
- Performed t-test and chi-squared tests on converted data retrieved from Aviation Safety Reporting System
- Proved hypothesis that newer generation aircraft will tend to have less human factor incidents per hour

Business Consulting- Financial Case Study

Fall 2013

- Collaborated on financial decisions through project evaluation and risk management, involving financial data analysis, product development, bond issue, depreciation, and quantitative report gathering
- Calculated net worth, return on investment based on discounted cash flow and rate of return
- Analyzed data about purchase of new equipment abroad case and develop presentation
- Performed presentation, report, and findings to clients and audiences

LEADERSHIP

Chinese Student and Scholar Association (UIUC CSSA)

President

Champaign, IL

May 2011 – May 2012

- Organized CSSA Moon Festival Gala attended by more than 2000 people in Foellinger Auditorium in Urbana, IL
- Received sponsorship greater than 50,000 dollars per year from advertisement, discount card, and sponsors for association
- Lead CSSA to hold best activities on campus and won "Outstanding Asian American Organization Award"
- Supervised field trips and events for Chinese students to gain exposure to American culture

SKILLS

Computer: Proficient in Matlab, C++, Java, R, Python, AutoCAD, Revit, SAP2000, SQL, Unix, Linux, MS Excel, PowerPoint, SAS

Language: Fluent in Mandarin and Cantonese