WEIJIE(ERIC) TANG

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OBJECTIVE

Looking for 2019 New Grad Full-time opportunity.

EDUCATION

University of California, Los Angeles (UCLA), Los Angeles, CA   *Sep. 2017 - Mar. 2019*
M.S. in Computer Science, GPA: **3.89**/4.0

Shanghai Jiao Tong University (SJTU), Shanghai, China   *Sep. 2013 - Jun. 2017*
B.S. with Honors in Information Engineering, GPA: **3.79**/4.0, Ranking: **7**/176

SKILLS

Programming: Java, C++, C#, Python, SQL, HTML, JavaScript, CSS, Angular, React, PHP, R
Software: Docker, NetBeans, VS Code, Visual Studio, MATLAB, Mathematica, LaTeX, Gephi, Tableau

INTERNSHIPS

Hitachi Solutions (China) Co., Ltd., Shanghai Branch   *Aug. 2016 - Oct. 2016*
Software Developer Intern

- Completed 5 web tabs of the warehouse management system in Visual Studio by C#, LINQ to SQL, and HTML;
- Conducted both systematic and field test of the system based on the logical flow;
- Wrote the user guide, and deployed the system at Mitsubishi Electric escalators warehouse.

Bank of Nanjing, Shanghai Branch   *Jun. 2016 - Jul. 2016*
Software Management Intern

- Developed part of the company's new integrated performance management system in J2EE platform;
- Learned the MVC Framework and realized the original functions in the new system using JSP/Servlet.

PROJECTS

Markdown Blog Site with Tomcat / MEAN Stack (Java, Angular)   *Jan. 2018 - Mar. 2018*
- Implemented a blog site based on Apache Tomcat and MySQL with the markdown support;
- Rebuilt the site with a REST API and JWT authentication using MongoDB, Express, Angular and Node.js.

AceMap: Scholarly Big Data Analysis and Visualization (Java, JS, SQL)   *Sep. 2015 - Jun. 2017*
- Cleaned and analyzed Microsoft Academic Graph data set (1e8+ records) using Mathematica and MySQL;
- Visualized the citation network of one million papers as "paper galaxy" with Leaflet, and utilized Gephi API in Java to generate and optimize 22000+ paper maps and 2200+ author maps;
- Constructed part of the AceMap website with user interactions, and improved it by adding multi-browser compatibility, animation effects, responsive web design and touch gestures support;
- Leaded an 8-member team and were in charge of the visualization work as the system's key feature.

Visualization of Mobile Network Information (Python)   *Oct. 2017 - Dec. 2017*
- Developed a suite of visualization widgets for different types of mobile network parameters using Kivy;
- Designed several interfaces for real-time visualization in MobileInsight Android App, including a map view.

Twitter Mood Detection and Prediction (Python)   *Oct. 2017 - Dec. 2017*
- Leveraged machine learning algorithms (SVM, NN, XGBoost, etc.) to perform sentiment analysis on tweets;
- Analyzed twitter users' happiness index and visualized the result on a timeline chart.

Cluster Analysis in the Vehicular Ad-Hoc Networks (C++)   *Feb. 2016 - Sep. 2016*
- Proposed a weighted clustering algorithm to analyze the network connectivity under multilane traffic scenario;
- Carried out simulations in OMNeT++ platform using custom highway traffic model;
- Evaluated and optimized the clustering algorithm and improved the clustering stability by 5% - 15%.

HONORS AND AWARDS

Outstanding Graduate Award at SJTU	*2017*
1st Prize in Hanbing Ji Scholarship (Top 3%)	*2016*
Academic Excellence Scholarship of SJTU (Top 5%)	*2016 & 2015 & 2014*
National Scholarship (Top 1%)	*2015*
Electronic Information Scholarship of IECAS (Top 5%)	*2014*