Qianren Zhou

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OBJECTIVE

To obtain a full-time summer 2016 Software Engineer internship

EDUCATION

M.S. in Computer Science, University of California, San Diego Sep. 2015 - Dec. 2016

- Relevant Courses: Data Mining and Predictive Analytics, Interaction Design Research, Computer Vision I

B.Eng. in Computer Science & Technology, Zhejiang University, China Sep. 2011 - Jun. 2015

- Cumulative GPA: 3.72/4.0; Major GPA: 3.87/4.0; Rank: Top 10%
- Awarded with 2nd-Class Scholarship for Excellent Merit (Top 10%)
- Relevant Courses: Data Mining, Information Visualization, Artificial Intelligence, Numerical Analysis, Database System

Exchange program in Computer Science, Maynooth University, Ireland Sep. 2014 - Apr. 2015

PROJECTS

Forecasting sales using store, promotion, and competitor data Oct. 2015 - Dec. 2015

- Extracted features from the historical sales data, stores informations and external data generated by ourselves
- Implemented the Gradient Boosting as the prediction model by Python and scikit-learn.
- Predicted a famous drug company daily sales for 1115 stores located across Germany for six weeks in advance

Email Related Stress In a Highly-Connected Society Oct. 2015 - Dec. 2015

- Examined the relationship between email related stress within the context of constant connectivity
- Performed within-subjects study where participants were cut off from checking email during non-working hours
- Resulted that lower stress is experienced when both email usage and inbox notifications are restricted to working hours

Computational Model of Hallucinations, Brain and Computation Lab in Maynooth University Seq. 2014 - May. 2015

- Hypothesized diminished sensory input for the brain, which is designed for rich input, causes sensory hallucinations
- Designed an unstable adaptive maximum entropy filter as the computational model of hallucinations
- Implemented the model by F# to process the simulated signals to corroborate our hypothesis

Vehicle mounted camera system aimed at traffic light recognition May. 2013 - May. 2014

- Designed a vehicle mounted camera system for people unable to discern colors to recognize the state of the traffic light
- Analyzed cases the system faced in real environment and designed methods to extract and analyze colors and sharps
- Programed a MATLAB code to process and report traffic light color, resulting 80% accuracy in experimental environment

Stock Trading System Feb. 2014 - Jun. 2014

- Led six groups to work together efficiently to accomplish a practicable Stock Trading System
- Arranged schedule, coordinated with Teaching Assistant/Client and analyzed user requirement

MiniSQL Database Management System Sep. 2013 - Nov. 2013

- Implemented a database management system with B+ tree index, supporting basic SQL queries
- Developed the Buffer Manager by the clock algorithm in C++

SOCIAL EXPERIENCE

Principal, Rainbow Team of Zhejiang University Nov. 2012 - Nov. 2013

- Specialized in providing training solutions and activities in soft-skills, team-building to other organizations and groups.

Expeditioner, Raleigh China 2012 Expedition in Guizhou Prov. Jul. 2012 - Aug. 2012

- Worked with young volunteers from around China together to create a positive impact in communities living in poverty

SKILLS

Programming Python, JAVA, F#, C/C++, SQL, Go

Algorithms Analysis MATLAB, Mathematica

Information Presentation LaTeX, Processing, HTML, JavaScript, PHP