Curriculum Vitae

Name: Yimeng Zhang

Date of Birth: 14th June 1982

Nationality: China

Email: yimengz@cs.cmu.eduu

Education & Qualifications

- Department of Informatics and Mathematics Science, Kyoto University 2002.4–2006.3
  - ➢ Degree: Bachelor of Engineering
  - ➢ Overall GPA: 3.78/4.0
  - ➢ Major GPA: 3.84/4.0
- Department of Information Science, Kyoto University 2006.4–2006.6
  - ➢ Degree: Master of Engineering (not finished)
- Language Technology Institute of Computer Science, Carnegie Mellon University, 2006.8–present
  - ➢ Degree: Master of Computer Science
  - ➢ GPA: 4.0/4.0

Research Experience

Web mining and Information Retrieval (2005.4–2006.6)
Digital Library Group in Kyoto University

I proposed an algorithm for finding semantically related news for a given news topic or a certain time series data, for example, the approval rating of the president, based on their temporal correlation. The system we built includes news collection, topic detection and temporal correlation analysis.

Data mining approaches to Intrusion Detection (2006.10–present)
Project: Intrusion Detection and Event Analysis System (IDEAS)

We apply and develop data mining and machine learning techniques to intrusion detection problems. I am mainly responsible for providing techniques to analyze and extract attack patterns from the large amount of alerts generated by intrusion detection systems. We built a system based on Java and PHP and provided a web interface of our system.

Work Experience

- 2006.9-2006.10 Part-time for labeling work for Question Answering task
- 2006.11-present Research Assistant at Carnegie Mellon University

Publications

- Title: Activity Graph for Alert Analysis
  Authors: Yimeng Zhang and Tsuhan Chen
  Journal: IEEE Transactions on Information Forensic and Security
  Status: submitted (2007.10)
- Title: Discovery of Semantically Related Topics for Given Time Series Data
  Authors: Yimeng Zhang, Shumian He, Satoshi Oyama, Keishi Tajima, Katsumi Tanaka
  Conference: Data Engineering Workshop (DEWS2006)
  Language: Japanese
  Status: published
- Title: Discovery of Semantically Related Topics for Given Time Series Data
  Authors: Yimeng Zhang, Shumian He, Satoshi Oyama, Keishi Tajima, Katsumi Tanaka
  Journal: Database Society of Japan, Vol. 5, No. 1, 2006
  Language: Japanese
  Status: published

Scholarships

- OTOMO TARO Scholarship (2001.10-2004.3)
- The Honor Scholarship from Japanese Government (2004.4-2006.3)

Additional Information

Languages:

Chinese - Mother tongue
Japanese - Fluent written and spoken
English - Fluent written and spoken
German - Able to read simple documents