

# Xin (Joy) Yan

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Anticipated Graduation: May 2018

## EDUCATION

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**San José State University**      **Major: Computer Science**      Major GPA 4.0/4.0      Cumulative: 3.789  
Relevant Coursework: Data Structure And Algorithms, Object-Oriented Design, Java Programming, C/C++ Programming, Agile Project Management, Calculus 1+2+3, Linear Algebra, Applied Statistics for Engineer and Scientists

**The University of Stuttgart, Germany**      **Major: Natural Language Processing**      Vordiplom  
Relevant Coursework: Information Retrieval and Text Mining, Speech Recognition and Synthesis, Statistical NLP, Machine Translation. Logic and Formal Language, Linux Programming

## EXPERIENCE

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### **VioletDroid - An Android UML Editor Application ( San José State University)    October - Present**

- Designing the application framework by using UML Class Diagrams and Sequence Diagrams.
- Applying multiple design patterns including composite, factory, template patterns and OOD frameworks.
- Implementing Class Diagrams Module and online storage module with Firebase Database.
- Applying Agile Project Management skills, usability testing, feasibility testing, and unit testing.

### **Software Research Internship in Java (Böblingen, Germany)      June 2007 - September 2007**

#### **IBM Germany Research & Development GmbH, Böblingen Germany**

- Built the statistical model of email attachments based on documents types and sizes for IBM Email Content Collector product
- Designed and implemented the attachment generator application based on the statistical model.
- Generated **5 million** Email attachments with the attachment generator which is a vital resource for IBM performance testing
- Enhanced the email generator application with more functions and more protocols.
- Designed and implemented the email content generator application based on the Hidden Markov Model.

## LEADERSHIP & ACTIVITIES

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### **The Braven Google Pilot Program for Leadership      August 2016-Present**

- Selected as a fellow of Braven Google Leadership Pilot Program based on leadership ability and potential
- Developed skills critical to success in the 21st-century workforce such as operating and managing, effective communications, and problem-solving.
- With a team of peers, utilized design thinking to develop a solution to a pressing real-world challenge through research, prototyping, testing, and iteration
- Explored my leadership strengths and personal passions and grew into a future leader and member of a team.

### **Startup Tech Lead for IOT Project (Shenzhen, China)      December 2013-May 2014**

#### **Weikong Co.Ltd -Shenzhen, CN**

- Led an engineering team of 6 people, including 3 software developers, 1 hardware developer, and 1 UI/UX designer.
- Managed the team by applying agile project management skills.
- Designed the architecture and the communication protocols for the whole IOT product.
- Implemented the Android Application for the product demo.

## HONORS & PUBLICATIONS & LANGUAGES

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- Received ATC Certified ARM Engineer Certification at Farsight Technologies & Information (Beijing)      **April 2013**
  - Received Honorable mention at the UC Berkeley Summer School on Semantic Computing.      **July 2009**
  - Received **DAAD Prize** for outstanding academic performances and social commitment.      **October 2008**
  - **Publication:** X. Yan, S. Jeschke, A. Dubey, M. Wilke, and H. Schütze, "RENS - Enabling a Robot to Identify a Person", in Proceedings of the 2nd International Conference on Intelligent Robotics and Applications (ICIRA 2009), Singapore, 16-18 December 2009, 2009, Lecture Notes in Computer Science, vol. 5928, pp. 43-54.
  - **Chinese** (native language), **English** (full professional proficiency), **German** (full professional proficiency)
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