# Lijing Lin（林丽静）

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## Education

**2015.09-2018.07 Peking University Computer Science and Technology Master**

- Research direction: visualization and visual analytics; dynamic graph visualization

**2011.09-2015.07 Sun Yat-sen University Intelligent Science and Technology Bachelor**

## Project Experience

**2016.06-2016.10 LDA-based Visual Exploration of Dynamic Graph Leader**

- Treat graphs at each time step as documents and extract hidden structures using LDA. This method could reveal hidden structures in the dynamic graph based on the extracted semantic topics. The related system visualizes both the overall evolution of trends and the detailed changes of structures simultaneously
- Leader, work on data analysis, interface design, server implementation and front end programming
- Published in PacificVis 2017 (top three conference in visualization domain) as a Poster

**2016.10-2017.04 Exploring Significant Event Evolution Based on Map-like Visualization Core Member**

- Propose E-Map, a visual analytics approach that uses map-like visualization tools to help the multifaceted analysis of significant events. E-Map transforms the keywords, message and reposting behaviors into such map features as cities, towns and rivers to build a structured and semantic space for users to explore
- Core member, work on map construction and implementation. Writing part of the paper
- Published in IEEE VIS 2017 (the top conference)

**2015.10-2016.01 A Plug-in for Mid-air Interaction Core Member**

- Based on Leap Motion, the plug-in interface LeapG supports users to directly manipulate with information visualization through mid-air interactions, including pointing, dragging and lassoing
- Core member, work on Leap Motion perception and front-end interaction transformation, and DBLP network analysis system (http://vis.pku.edu.cn/dblpgraph/) implementing, used in LeapG evaluation
- Published in ChinaVis 2016

## Project Experience

**2015.09-2015.10 Wireless Security Guard Core Member**

- Cooperate with Qihoo 360 Company. Based on locations of hotspots and cellphone WiFi connection logs collected by 360 TianXun, our system visualizes real-time population distribution and their movement
- Core member，work on front end framework design (Backbone.js), interface design and implementation
- Demo the project on ISC 2015 and CNCC 2015 conference

**2013.12-2014.01 Mobile Phone User Behavior Prediction based on Machine Learning Core Member**

- An app to predict user behavior using classification model. Collect and mark mobile phone data (GPS, light intensity, lock screen, volume, time, etc.), train the model using Naïve Nayesian, J48, NBTree, Nagging and Decorate classifier. Based on the result of these classifiers, predict the users` behavior using voting strategy
- Core member, work on data collection and preprocessing, classifier training with Weka function package

## Personal Information

- **Scholarship & Award:** Special Scholarship of Peking University (2016), Outstanding graduate student (2015), National Scholarship (2017/2014/2013), Outstanding student scholarship (2014/2013/2012)
- **Skills:** experienced in JavaScript, HTML5, CSS3, web visualization (d3js), data analysis (python) and C++
- **Interests:** point guard in school basketball team, hiking