CS 579 Project Proposal

Team member: Hang Li, Lu Wang

OUR CONCERNS

- How to make friends
- How to make REAL friends

ABOUT FACEBOOK

- Find friends—suggest people who share common friends with you
  - Problem: you know the suggested person for years and he/she is not an interesting person at all.
  - We don't just want to say Hello and Goodbye to our friends, we need more communication.

OUR SUGGESTION

- Using a different approach to find friends
  - Find the friends that you spend more time with
  - Use /photo, /tag to get the friend that you like to play with

- Advantage
  - In this way, the friend that we found on the tag will be more like a close friend when compare to those friends we found on friend list.

OUR SUGGESTION

- Search through each photo and get the tag information
- Rank friends using tag information
- Find out how they become friends

OUR SUGGESTION

- Search for common attributes for each close friend.
  - Interests
  - Education background
  - Work experience
  - Location
  - Major
  - And so on
- Each attributes should be in detail, interests can be break into many attributes, like computer gaming, basketball or hiking.

OUR SUGGESTION

- Create a "interest value" for each attribute indicate how likely a person would prefer to make friend with who has the same attributes.
- Use machine learning to assign and adjust the "interest value" by using the rank of friends
- Now that we have a unique algorithm for a person to find friend

OUR SUGGESTION

- People normally like to make friends with someone they have ever seen or heard of.

- We use friends' friend as a pool, we compare the interest value for everybody in that pool. Select the highest several people and recommend them

- Or we can simply enter a person's Facebook ID, and get a interest value for that person, and we will know if that person can be a good friend of you.

Questions?