

# The Emerging Scholars Program

[www.cs.columbia.edu/esp](http://www.cs.columbia.edu/esp)



# Weekly Workshops

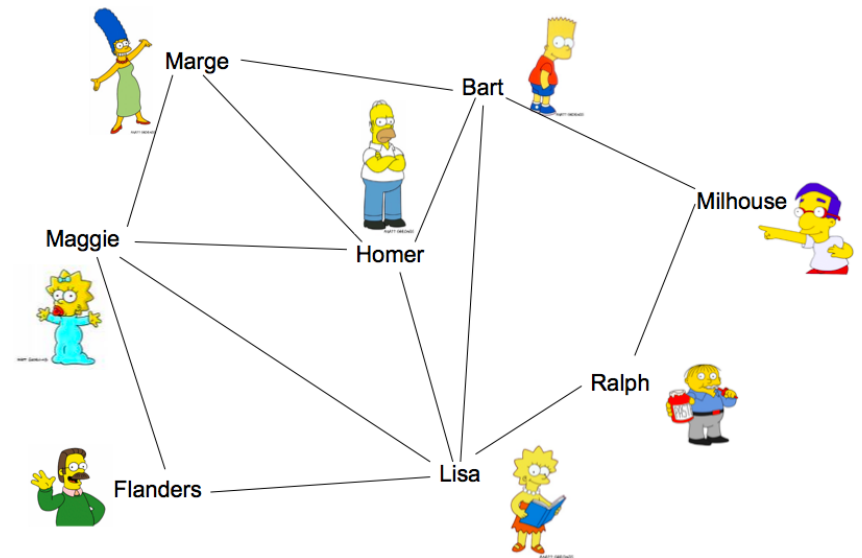
- Intended for students new to CS
- Small groups (10 students)
- Led by an undergraduate peer leader (a junior or senior in CS)
- Introduction to exciting CS topics
- Discussion and group problem solving
- No homework; No programming
- Not extra help for 1004

# Topics

- Biometrics
- Computational Linguistics
- Encryption
- Human Computer Interaction
- NP Completeness
- Social Networks
- Spoken Language Processing
- User Interface Design

# Social Networks

- Facebook has more than 100 million active users
- How is it possible for Facebook to find people you might know?
- Facebook uses graphs to represent friendship networks
- Facebook uses *algorithms* that work on a graph that keeps getting larger and larger



# Apply

- Application available at [www.cs.columbia.edu/esp](http://www.cs.columbia.edu/esp)
- Intended for first or second year students with little to no previous computer science background
- Due by Thursday, Jan 26<sup>th</sup>, 5pm
- Typically there are more applications than slots