Association of Computing Machinery at Ohio State Spring 2019 - Introductions

What is Competitive Programming?

- Hard Puzzles for programming
  - Learn about lots of problem-solving techniques
  - Get practice implementing things
- Job Interview Questions
  - Gain skills and confidence

What you need to know before you start

- Any programming language

Leadership changes

President : Alex

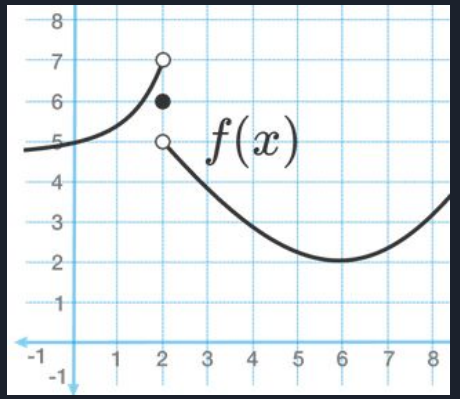
Vice President : Wally

Treasurer: Dingkang

Advisor: Yusu

Posters by Gen

Friend Maker, Ice Breaker



Talk in groups of 3 or so

Questions if you can't think of anything

- What is your name/major/year
- What languages do you know (Chinese, French, Java, ...)
- What cool things have you made?
- Do you have any pets?
- From the graph of f, can you evaluate the limit as x approaches 6 of f(f(x))

Weekly meetings

- Programming Lectures
- Tech Lectures
  - Anything related to computer science/electronics
- Weekly Challenges
  - Learn to program good

Weekly meeting changes

- Less lectures, more work time
  - Weekly Challenge Problems & Tutorials on the same day
  - Help while you work
  - 2 Problems/week

More changes: events!

- Bi-monthly contests
  - During meetings or not?
- Job interview preparation day

Outline of schedule for the semester

Basics/Implementation

Greedy Algorithms

Dynamic Programming

Graph Theory

Have a topic you're interested in? Found an interesting problem? Present it as a tech lecture!

Upcoming Competitions

Google Hash Code (registration open, teams of 2-4)

Google Kick Start (registration opens Feb, for beginners)

Google Code Jam (registration opens March, most prestigious)

Facebook Hacker cup (summer)

ACM-ICPC qualifier (next semester) (ohh)

Links

Meeting Slides and code solutions for weekly challenges

Kattis : Official site for the ACM-ICPC contest

Codeforces : Better site than kattis. Has occasional contests.

Project Euler: More mathy problems with only visible 1 test case

HackerRank: More job-oriented programming site

Weekly Challenge #1