

Rollins Programming Team



ROLLINS

Department of Math and Computer Science

Rollins Programming Team

- What is the Rollins Programming Team?
 - Summary: a team of students who practice competitive programming and compete in national and international contests

- Just like universities have football teams
 - All good universities will have a programming team
 - Students work hard to hopefully make the team
 - Team members practice together and participate in national and international competitions

International Collegiate Programming Contest

■ ACM International Programming Contest

- Sponsored by IBM
- Managed by Baylor University
- Participation last year (2016):
 - **46,381** students from
 - **2,948** universities from
 - **103** different countries

- This is a HUGE competition!
- This is the WORLD CUP of programming contests!
 - Same format (5 hours, 8 to 12 problems)



Rollins Programming Team

- Why should I be on the programming team? Or, what is the benefit of the programming team?
 - Short answer: because it is fun!
 - Longer answer:
 - You learn a lot
 - You become an expert in problem solving
 - You can participate in national contests
 - You can participate in international contests
 - Main benefit: successful programming team members have the BEST job opportunities

Rollins Programming Team

■ Why should I be on the programming team?

■ Remember:

- In CMS-167, we teach you that Computer Science is really about two words: PROBLEM SOLVING
- Competitive programming is 100% about problem solving
- The top teams are the top problem solvers
- The top teams at the regional level accept jobs at the TOP companies:



Rollins Programming Team

- Why should I be on the programming team?

- The top teams at the regional level accept jobs at



- These team members graduate at 23 years old
 - And they get hired making upwards of \$10,000 per month
 - Microsoft is HAPPY to pay this to the top problem solvers
 - And yes, YOU, can be the next student to do this!!!

Rollins Programming Team

- How can I join the Rollins Programming Team?
 - Simple: come join the weekly practice!
 - We plan to meet every Wednesday from 11 AM to 1 PM
 - Bush 301 (PC Lab)
 - And specifically, this Wednesday is our Orientation and first team practice
 - 2nd Step: register for our elective course called “Problem Solving III” (CMS-495)
 - Only prerequisite is Problem Solving II (CMS-170)
 - This is a fun course:
 - Arguably one of the most important courses you may take during your studies here at Rollins
 - Developing same skills as in “Cracking the Coding Interview”

Summary

- You enjoy CMS-167, CMS-170?
 - You like problem solving?
 - You want the best job opportunities?

 - **JOIN the Rollins Programming Team!**
 - Come for the weekly practice!
 - Time: varies (so check the web site!)

 - Feel free to email me with questions:
 - jcazalas@rollins.edu
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Questions

Any questions?

(easy questions only)

Helpful Links

- Practice competition-style problems:
 - Codeforces:
 - <http://codeforces.com>
 - URI Online Judge:
 - <https://www.urionlinejudge.com.br>
 - A2 Online Judge:
 - <http://a2oj.com/>
 - Uva Online Judge:
 - <http://uva.onlinejudge.org/>
 - ACM past problems (archive):
 - <http://icpc.baylor.edu/worldfinals/problems>

Websites

- ACM International Programming Contest
 - <http://icpc.baylor.edu>
- Rollins Programming Team Website
 - <http://www.inthefuture.com>

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