MCMASTER ACM CHAPTER '16-'17

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McMaster University ACM Student Chapter is a registered Association for Computing Machinery (commonly referred to as ACM) Chapter operating at McMaster University and run by students. The Chapter is serving the whole hamilton area and is operated exclusively for educational and scientific purposes promoting an increased knowledge of and greater interest in the science, design, development, applications, construction, languages, management and applications of modern computing. It also serves as a means of communication between persons having an interest in computing.

Our lab is @ ITB (Information Technology Building) 134.
Our lab is fitted with 3 electrical engineering stations (Multi-meter + Power Supplier + Oscilloscope), 4 white boards, markers, and erasers, 60+ wheelchairs and 20 tables, security cameras, and EE & CE reference manuals and books for your reading/learning interests. No food or drinks in the lab!

Youtube (200+ Subscribers) https://www.youtube.com/mcmasteracm
Facebook (100+ Likes) https://www.facebook.com/mcmasteracm
Twitter (<10 Followers) http://twitter.com/mcmasteracm/

510 Chapter Members - 20 ACM Members
Members:
153 Software Eng
102 Comp Eng
98 Engineering 1
72 Comp Sci
53 Elec Eng
21 Mechatronics
11 Biomedical

Chapter Officers:
2 Software Eng
2 Life Sci
1 Comp Eng
1 Biomedical
1 Electrical Eng

OutReach Officers:
19 Comp Sci
4 Software Eng

ICPC Coaches:
3 Software Eng
1 Comp Eng
1 Elec Eng

Essay:

We have established a Computer Science Outreach program, where volunteers from the Computer Science and Software Engineering programs at McMaster University visit public schools in Hamilton and Mississauga to run computer science workshops. The workshops consist of many different activities that teach students about binary numbers, how CAT Scans work and how to create games and animations using the functional programming language, Elm. We also held an hour of code and held different other events around the city. This year, 21 students volunteered their time and taught over 5200 students. Some of the students' work can be found in the hall of fame on our Computer Science Outreach website:http://outreach.mcmaster.ca/menu/fame.html.

Our ICPC committee has also had outstanding work promoting the famous ICPC in McMaster. We held many info & recruiting sessions with big marketing campaigns around campus and lecture halls (visuals: https://www.youtube.com/edit?o=U&video_id=t30CAXNIZAs & https://www.facebook.com/503403523178227/photos/?tab=album&album_id=571195706399008). We went on and supported all other clubs and competitions on campus. We worked closely with McMaster Programming Club, Hackitmac, Phaseone, and communitech to provide a technical interview workshop series which sparked wide interest in ICPC. The ICPC team then backed other on-campus competitions like code to win by communitech and IEEE McMasterprogrammingcompetition and held many workshops for the events. We also welcomed many different events in our lab and were always supportive of any programming event hence portraying the newly formed chapter the programming hub of McMaster. We contacted professors for best students in technical courses and reached out to get them into our ICPC training program. We formed more than 25 teams, of three engineers, and trained 15 closely. We provided multiple learning resources and lectures. We had a strict summer bootcamp with a website widget tracking top teams solving practice questions on codeforces and sending them gift cards every month they come in lead (photos:https://www.facebook.com/503403523178227/photos/?tab=album&album_id=574138092771 436 more: http://blog.macacm.org/). We solved multiple questions and famous problems with detailed explanations and video solutions and delivered them to their feed every day to keep the spirit (videos: https://www.youtube.com/mcmasteracm/videos). We bought books and got them a Lab to meet weekly on weekends to practice and chill. We then fully funded the best 3 teams after multiple qualifiers during September and October and we got them to the windsor site for the regionals. Results were great with our highest rank every [3rd in Canadian teams]!   With these great results, we reached out and made we sure we got to the news in our campus & city so that we spark more interest in other students for next year's qualifiers and training. (news: http://blog.macacm.org/2016/10/icpc-2016-mcmaster-programmers-are-lit.html) Our young chapter had the great privilege of exclusively backing, and helping with organizing the McMasterEngineeringOlympics (SoftwareCompetition), also some of our members acted as judges and others helped most contestants.

We had an info session for SRC and around 40 students were highly interested. We contacted faculty and worked closely with Chair of CAS, Chair of ECE, and the A.Chair of Grad Studies & Research. As the work and preparation is almost done we are going to unleash a series of events and workshops for the SRC competition this summer!

The chapter now is considered one of the biggest technical groups on campus and is highly valued and respected by all students, faculty, and staff. We are well connected with other student groups and faculty.