MCMASTER ACM CHAPTER '16-'17

macacm.org - 1001 Main St W Apt 620 L8S1A9 Hamilton, ON, Canada - 9059627303 - contact@macacm.org

Chair, Ezzeldin Tahoun, chair@macacm.org
Vice Chair, Chamu Rajasekera, rajasecn@mcmaster.ca
Treasurer, Jacoby Joukema, jacoby.joukema@gmail.com
Membership Chair, Lina Kabbani, kabbanl@mcmaster.ca
Faculty Sponsor, Christopher Anand, anandc@mcmaster.ca

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:

McMaster ACM sent three, fully funded and well-trained for over a year, teams to the International Collegiate Programming Competition this past year. These nine students competed for the chance to attend ICPC and performed phenomenally at the competition ranking McMaster the third top Canadian school in its region. However it wasn't the ICPC that made these students such exceptional members of the school community, it was the experience they brought back. Since this was McMaster ACM's first year, many of students that competed at ICPC were given opportunities to give back to the community with our help. These members helped run coding seminars to aid members of the McMaster community in their technical interviews. Additionally, with pre-existing connections they gave McMaster ACM opportunities to interact with many industry partners like Communitech, Phaseone, and others.

In addition to what these students did for the McMaster community and local chapter they also represented McMaster at a multitude of competitions. Of the two Microsoft Coding Challenges held at McMaster this year members of Mac ACM took first and second place both times! Additionally, McMaster sent a team to the Ontario Engineering Competition (OEC) for Programming made up exclusively of members of Mac ACM. This team came out on top and came first in all of Ontario! By using the knowledge and experience gained through ICPC and Mac ACM training, members of the chapter were able to show that McMaster stands among the top universities for Computer Science and Software Engineering.

We have also 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. We run these workshops because we hope to share our passion for computer science and inspire children to develop a passion for the field as well and come study it with us in McMaster. 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. 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. We ran the Hour of Code. We helped many students do exceedingly well in their programming classes because of our almost bi weekly workshops about data structures and algorithms, coding interviews, code to win competition, mcmaster engineering olympics (software competition), Mcmaster programming competition, code nights, design to win communitech, icpc workshop series and bootcamp, youtube video explanations about most concepts and problems seen in icpc and mcmaster programming courses. We gave school a reliable gpa calculator and converter since it was a much needed tool for so long in McMaster (we use 12 scale instead of 4). We also held multiple SRC workshops to encourage more undergraduate research and introduce the competition to all students (grads/undergrads).