

ACM 2022-2023 Student Chapter Excellence Awards Application

For Application Guidelines, see <https://www.acm.org/chapters/student-chapter-excellence-awards>

Award Category: Outstanding School Service

Chapter Name: *

University of Texas at Dallas ACM Student Chapter (46699) ▼

City: *

Richardson

State/Province:

TX

Country: *

United States of America ▼

Outstanding School Service: Chapter Contact Information

Please provide all required information

URL for your Chapter homepage (for example, <https://www.acm.org>): *

Please ensure your chapter logo abides by ACM's Chapter Logo Policy (<https://www.acm.org/chapters/chapter-policies>).

<https://acmutd.co/>

Facebook:

<https://facebook.com/acmatutd>

Who is submitting this application? *

Enter Submitter's name

Jocelyn Heckenkamp

Submitter's Email: *

Enter Submitter's email

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Faculty Sponsor Name: *

John Cole

Faculty Sponsor Email: *

john.cole@utdallas.edu

Outstanding School Service: Chapter Achievements

Provide brief descriptions as requested, and stay within the character limit for each

Please provide a brief description of your chapter and school (1500 character maximum) *

We are the University of Texas at Dallas ACM Student Chapter. UTD is a young public research university. We ranked #1 among universities founded less than 50 years ago, and our CS department is the 3rd largest in the U.S.

ACM UTD is the largest computer science-focused student organization at UTD. We are a group of about 100 officers and over 600 members, and our goal is to build a more collaborative computing community at UTD. We are made up of eight divisions:

Industry: Works with corporate sponsors to secure sponsorship and coordinate industry events.

HackUTD: Creates and runs HackUTD each fall, the largest hackathon in the central time zone and the third largest hackathon in the United States.

Projects: A semester-long guided software development program for small teams of undergraduate students.

Education: Runs public workshops on various computing topics, a student mentor program, and a ten-week structured Technical Interview Prep course.

Development: Maintains our chapter website, our open-source hackathon management platform HackPortal, UTD Grades, and various other software projects.

Research: A semester-long structured research program preparing participants to present at a competitive symposium.

Media: Designs marketing and markets all ACM UTD events and programs.

Community: Runs community outreach at local elementary, middle, and high schools; our chapter yearbook; and chapter community events.

Outstanding School Service Essay Guidelines (4000 character maximum) *

Tell us about projects that help your fellow students, your department, or your school in general - you may list a maximum of 4. Please ensure to enumerate each one and place in order from oldest to newest. Tell us about each project including: the date (add end date if it was multiple days), how many people participated, and how it helped your fellow students, your department, or your school in general. If you have web pages for these projects, include the URLs. (Note, if you have worked on projects to help other schools, for example neighboring high schools, apply for the Community Service award rather than the School Service award.) Please be sure to use your chapter's official name - do not refer to your chapter as 'ACM,' 'ACM-W' or 'WICS.' Please note, links to essays will not be accepted and will disqualify your chapter.

UTD ACM hosts four structured semester-long programs for UTD students and one year-long mentor program each year. Due to high demand these programs all require applications and all but the mentor program are competitive. To give as many opportunities as possible to all students, participation in each program besides the mentor program is limited to one semester.

ACM Projects is a ten-week software development program in which 40-50 participants are organized into ten teams of 4-5 to complete a software project under the guidance of a student Project Manager. All projects are designed by student Project Managers who were previous participants in the program, and each team is assigned a professional industry mentor to provide advice on the project. At the end of the semester, participants present their completed software project at a competitive Presentation Night. Judges include UTD professors and industry professionals, and the whole program is run by two student Co-Directors who have experience as participants and Project Managers. Last semester's projects include apps to complete live language translation, mental health trackers, and a news filter trained with machine learning. Last semester's recording can be viewed here: https://www.youtube.com/watch?v=aXQ4mp0hGel&ab_channel=ACMUTDallas

ACM Research is a ten-week research program in which 20 participants are organized into four teams of five to work on a research project under the guidance of a student Project Lead and UTD research professor. All research projects are designed by student Project Leads with the help of their professor mentors, and all participants design a professional research poster and present at a Symposium at the end of the semester. Last semester's projects included Interactive Game Development with Machine Learning and Finding Visual Security Vulnerabilities in Open Source Projects. The recording of last semester's Symposium can be viewed here: https://www.youtube.com/watch?v=r5r8ZJPhOSI&ab_channel=ACMUTDallas The current semester's Research cohort was expanded to have ten teams of five.

ACM Technical Interview Prep, referred to as TIP, is a ten-week course run by student TIP Leads and covers data structures and algorithms, common technical interview questions, and technical interview practice. Ten teams of 4-5 students are each led by a TIP lead who gives a weekly workshop, designs homework problems, and assists in completing the problems. At the end, students are encouraged to participate in a mock technical interview and apply their skills in internship applications. This is the first structured technical interview preparation program offered at UTD, whether by students or staff. It has been a huge success, receiving 100+ applications each semester and having its sixth semester of operation upcoming.

The ACM Mentor Program pairs upperclassmen students with underclassmen for a minimum of once-monthly meetings to provide advice on classes, college life, and internships. The last mentor program class included 70 mentor and mentee pairs. The program is run by four officers who offer monthly workshops and socials for all mentors and mentees. Each mentor-mentee pair also gets to select one CS-related course

from a list of Udemy courses to access for free throughout the year thanks to a partnership with Udemy.

Between all structured programs, UTD ACM is proud to engage 300+ UTD students each semester in our structured programs. Our university's spring 2020 major counts (<https://ospa.utdallas.edu/enrollment-spring-2020-headcount-by-major-and-classification/>) show ~2600 undergraduate students enrolled in computer science. Although this doesn't include other majors that frequently participate in our programs such as Software Engineering and Computer Engineering, we do believe these numbers show that UTD ACM has a significant impact on UTD students in computing fields.

This form was created inside of Association for Computing Machinery.

Google Forms