



Ohio Supercomputer Center's Summer Institute

SI2010 Student Application

What is the Ohio Supercomputer Center Summer Institute?

Summer Institute is a two-week residential program that gives Ohio high school students entering their sophomore, junior or senior year project-based, hands-on learning. Working in small peer teams, the students use supercomputers for practical applications such as solving complex science and engineering problems, conducting network forensics to catch hackers, studying the spread of the bird flu and designing computer games.

Who might want to apply?

High achieving students who like science, mathematics, or computers

Why you might want to attend:

- Solve real problems using world-class supercomputers
- Gain a competitive edge – academically and professionally
- Get a taste of college life living in university dorms
- Work side-by-side with leading experts
- Build teamwork and leadership skills
- Develop friendships
- Have fun!

Program Details:

June 20 - July 2, 2010

Ohio Supercomputer Center

1224 Kinnear Road, Columbus, Ohio

The Center is located on The Ohio State University's West Campus.

Special Note:

Students are selected through a competitive application process. A submitted application does not guarantee participation. The completed application must be received by OSC on or before **April 16, 2010**.

Student Qualifications:

Eligible students must:

- Be Ohio students entering their sophomore, junior or senior year
- Be willing to work cooperatively with peers on group projects
- Have ability and desire to learn new concepts very quickly

Questions?

- visit www.osc.edu/si
- call (614) 688-8300
- email si-contact@osc.edu

Application Deadline
April 16, 2010

Application Requirements:

The following materials must be completed and received by OSC on or before **April 16, 2010**:

- Student Information Form (see page 2 of this application)
- Student Essay
- Copy of High School Transcripts
- Two Teacher Recommendations

Program Cost:

- There are no tuition or materials costs for participants.
- Students are responsible for housing/meal costs in The Ohio State University dorms.
- The approximate cost is \$500.
(Cost subject to change.)



Ohio Supercomputer Center

Send completed application to:

Mail: Ohio Supercomputer Center
Attn: Jules Jeppesen/SI2010
1224 Kinnear Road
Columbus, Ohio 43212-1163

Fax: (614) 688-3184

visit us online at www.osc.edu/si



Ohio Supercomputer Center's Summer Institute

Student Information Form

Student Profile

Last Name, First and MI First Name for Name Tag

Number and Street Address City / State / Zip Code

Home Phone Number Email Address Date of Birth (mm/dd/yy)

County of Residence Current School School District
 No Yes

Current GPA / Scale (**required**) Did you attend a Summer Institute last year? If so, where?

Current Academic School year: Freshman Sophomore Junior

Gender: Male Female

School Location: Rural Suburban Urban

What computer operating system(s) have you used? Windows Mac OS Linux

What programming languages do you have experience with?

C/C++ Fortran Basic Python Java Other _____

Which is your strongest programming language? _____

Optional:

Black, non-Hispanic American Indian or Alaskan Native Hispanic

White, non-Hispanic Asian or Pacific Islander

Relative's Name (principal supporting parent or your legal guardian)

Last Name, First and MI

Work Phone Home Phone Email Address

Another adult to be contacted in case of an emergency

Last Name, First and MI

Work Phone Home Phone Email Address

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How did you hear about the program?



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Student Essay

**Put essay answer on a separate sheet of paper.
Please type or write answers legibly in ink.**

Please explain why you want to participate in the Ohio Supercomputer Center's Summer Institute. Why would you be a good candidate for the program? What can you contribute? Also, include any ideas for computational projects that you would like to develop during SI.

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Ohio Supercomputer Center's Summer Institute

Teacher Recommendation #1

Student Name	Name of School
Teacher Name	Subject
Teacher E-mail	Teacher Phone Number
Teacher Signature	

We appreciate your confidential assessment of this student's suitability for the program. (You may attach additional pages, if needed.)

- I. In what capacity and for how long have you known this student?
- II. How well do you think the student will work on a group project? Will he/she work well with others? Is he/she self-disciplined and focused?
- III. How has the student exhibited leadership in the school and/or the community?
- IV. Why do you think this student would be an asset to the program?

Please rate the student compared with other students in the same grade.

	Top 1%	Top 5%	Top 10%	Top 25%	Less than 25%
Intellectual Talent					
Performance in Math					
Performance in Science					
Performance with Computers					
Maturity					
Leadership					
Self-Discipline					

**OSC invites two high school teachers to assist with SI.
Would you like to be considered?**

- Yes, this year. No, but maybe a future SI.

Questions?

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Application Deadline April 16, 2010

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Attention Teachers:

Please mail or fax completed recommendation directly to:

Mail: Ohio Supercomputer Center
Attn: Jules Jeppesen/SC2010
1224 Kinnear Road
Columbus, Ohio 43212-1163
Fax: (614) 688-3184



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Ohio Supercomputer Center's Summer Institute

Teacher Recommendation #2

Student Name	Name of School
Teacher Name	Subject
Teacher E-mail	Teacher Phone Number
Teacher Signature	

We appreciate your confidential assessment of this student's suitability for the program. (You may attach additional pages, if needed.)

- I. In what capacity and for how long have you known this student?
- II. How well do you think the student will work on a group project? Will he/she work well with others? Is he/she self-disciplined and focused?
- III. How has the student exhibited leadership in the school and/or the community?
- IV. Why do you think this student would be an asset to the program?

Please rate the student compared with other students in the same grade.

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Performance in Math					
Performance in Science					
Performance with Computers					
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