

Computer Science Connect 2020 Application

CompSciConnect is designed as a three-year program in which students advance their knowledge and explore new fields of computing each year. Content builds upon knowledge from the previous years. Most students begin in the Yellow group, progress to the Red group, and finally end in the Terp Group.

During each two-week summer program at the University of Maryland, students learn how to develop games in Scratch, program in Python, create dynamic web pages, and build basic virtual reality games in Unity. Students also learn about the depth and breadth of computing through guest lectures, field trips, and hands-on applications. Additional topics include number theory, cybersecurity, and computing ethics.

Throughout the academic year, students are invited to continue the program during monthly meetings. Interactive presentations are created for family, friends, donors, and the community at the annual CompSciConnect Showcase at the end of the fall semester and at Maryland Day at the end of the spring semester.

The Computer Science Connect program is built on the philosophy that in order to attract people from populations that are currently underrepresented in computing, they need to connect. This program will provide students the opportunity to connect with other students who have similar interests, with faculty and university students in computing fields, with the university life as a whole, and with areas of study within and connected to computer science.

Our goal is that they, through this program, connect with the world of computing and realize that it is ubiquitous in our society - permeating almost everything we do and every other field of study. The complete application form must include:

- Part A-D of this application
- Copy of most recent report card or progress report (can be emailed or mailed separately)
- References from teachers and/or guidance counselor (can be submitted separately)

Please complete the application by March 9th for best consideration.

**Financial Aid is available. Scholarship Application will open on February 5th and are reviewed on a rolling basis between March 18th and April 10th. Scholarships Application will close on April 10th.

If you have any questions, view our website (<https://inclusion.cs.umd.edu/outreach#camps>) or contact us at:

Phone: 301-405-7615

Email: inclusion@cs.umd.edu

* Required

1. **Email address ***

Part A: Basic Information

2. **Applicant's First Name ***

3. **Applicant's Last Name ***

4. **Grade Level (Spring 2020) ***

Check all that apply.

5th Grade

6th Grade

7th Grade

8th Grade

5. **Gender Identity**

Mark only one oval.

Boy

Girl

Non-Binary

Prefer Not to Disclose

Other: _____

6. **School Name (Spring 2020) ***

7. Please indicate what type of school your camper attends?

Check all that apply.

- Public
- Private
- Charter
- Home School
- Other: _____

8. School District *

Mark only one oval.

- Prince George's County Public Schools (MD)
- District of Columbia Public Schools
- Montgomery County Public Schools
- Howard County Public Schools
- Anne Arundel Public Schools
- Baltimore County/Baltimore City Public Schools
- Other Maryland School District
- Other Virginia School District
- Private/Home School
- Other: _____

9. School City

10. School State

11. Parent/Guardian Name(s) *

12. **Current Address:** *

13. **City** *

14. **State** *

15. **Zip Code** *

16. **Guardian Telephone Number** *

17. **Guardian Email** *

18. **Ethnic Group** *

Select all that apply

Check all that apply.

- American Indian or Alaska Native
- Asian (Not Pacific Islander)
- Black or African American
- Caucasian (Not Hispanic)
- Hispanic or Latino
- Pacific Islander
- Other
- Prefer not to disclose

19. Which dates do you prefer to attend camp? *

Yellow, Red, & Terp may be available for both sessions.

Check all that apply.

- My camper can attend Session 1 (Yellow or Red)- June 22nd-July 3rd
- My camper can attend Session 2 (Red or Terp) July 13th-July 24th
- My camper can attend Session 3 (Yellow or Terp)- August 3rd-August 14th

20. Prior Computing Experience *

Please check all topics your camper has been exposed

Mark only one oval per row.

	No Experience	Somewhat Experienced	Very Experienced
Building Robotics/Programming Robotics	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Introductory Programming	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Scratch	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Game Development	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Web Development (HTML/CSS)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Computing Word Processing Applications	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Cybersecurity	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Artificial Intelligence/Virtual Reality	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Java	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Python	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Javascript	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
App Development/Thunkable/MIT App Inventor	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

21. Have you been involved with any of the following programs or organizations?

Check all that apply.

- UMD JumpStart Elementary Workshop
- UMD JumpStart Elementary Camp
- Girls Who Code
- First Lego League
- Cyber Patriots
- After school Computing Club
- After school Robotics Club
- Code.org
- Hour of Code
- Other UMD STEM Camp
- UMD Elementary Programming Workshop

22. T-shirt size *

Sizes range from YL-XXL (unisex sizes)
Mark only one oval.

- Youth Large
- Youth Medium
- Youth Small
- Adult Small
- Adult Medium
- Adult Large
- Adult XL
- Adult XXL

Part B: "About Me" Camper Information

The following questions should be completed by your camper and answered in her/his own words.

23. What is your favorite subject in school and why do you enjoy it? *

24. List any hobbies and extra curricular activities you enjoy including previous computing experience. *

25. What interests you about computing? *

26. What problem would you use technology to solve? *

Part C: Reference Report Card

- Include with this application a copy of your latest report card or progress report or grade report printed from a school supplied web site (PDF or link).
- Make sure to give the names and emails of teachers or counselors you have worked with (one must have taught math or science, the other can be a school counselor if you prefer). In order to complete the recommendation process, we will provide them with an electronic Recommendation Form to fill out. (A paper version of this form is available on request).
- By giving these forms to the recommenders and by your parents signing here, you are consenting that they can share information about your school performance with the camp

27. Upload Your camper's Most Recent Report Card:

Report Cards can also be emailed to inclusion@cs.umd.edu

Files submitted:

28. Name of Math, Science, or Technology Teacher Reference: *

29. Email of Teacher Reference: *

30. Name of 2nd Teacher or Counselor Reference:

31. Email of 2nd Teacher or Counselor Reference:

Part D: Parental Consent and Commitment**32. As the parent/ guardian, I certify that my camper is a good candidate for attending this camp, and I will do all I can to support his/her interest in computing ***

Check all that apply.

I agree.

33. As the parent/ guardian, I understand my camper will be expected to respect his/her fellow campers, guest instructors, and camp staff. I will review the behavior contract with my camper at the beginning of the camp session *

Check all that apply.

I agree

34. Signature of Parent/Guardian *

Your typed name indicates your signature.

Thank You for Applying!

Additional materials (grades and teacher recommendations) must be received by March 18th for best consideration.

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A copy of your responses will be emailed to the address you provided

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