

# nathanwalters

computer science student

## contact

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## programming

Java, Android ♥♥♥♥  
JavaScript, C++ ♥♥♥  
Python ♥

## summary

I am currently a freshman at the University of Illinois Urbana-Champaign studying computer science. I am a largely self-taught programmer seeking to increase my knowledge of real-world software development. I love working on teams, am passionate about writing beautiful and well-designed code, and am driven to learn more and expand my abilities.

## education

2015–2019	<i>Bachelor of Computer Science</i>	University of Illinois Urbana-Champaign
	Enrolled in CS 125; on track to complete CS 225 in the fall semester of 2016	
2011–2015	Highest Honors	Rolling Meadows High School
	Cumulative GPA of 5.41/5.0	
	AP BC Calculus, AP Physics C	

## experience

2011–2015	<b>WILDSTANG ROBOTICS TEAM</b>
	<i>Programmer</i>
	Worked on the subteam that developed a variety of software projects related to the FIRST Robotics Competition.
	Achievements:
	<ul style="list-style-type: none"><li>• Wrote code that powered four distinct competition robots</li><li>• Designed software that allowed the robots to complete complex tasks autonomously</li><li>• Created an open-source electronic system that facilitates the collection and analysis of data on other robots at competitions</li><li>• Developed internal utilities to aid with testing and debugging, including a logging system and log visualizer</li></ul>
2013–2015	<b>THE BLUE ALLIANCE</b>
	<i>Developer</i>
	Led the development of a native Android application for The Blue Alliance, a web service that hosts robotics competition data.
	Achievements:
	<ul style="list-style-type: none"><li>• Leveraged existing APIs to bring a fast, fluid experience to mobile users</li><li>• Developed robust caching system to allow for offline use</li><li>• Regularly released new features and upgrades to nearly 8,000 users</li></ul>

## honors & awards

- Eagle Scout
- National Merit Scholarship Finalist
- Illinois Council of Teachers of Mathematics award
- High school physics department award