nathan**walters**

contact

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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–present   **University of Illinois Urbana-Champaign**
Bachelor of Computer Science
Expected graduation: May 2019

2011–2015   **Rolling Meadows High School**
Highest Honors
Cumulative GPA: 5.41/5.0

experience

2011–2015   **WildStang Robotics Team**
Programmer
Worked on subteam that developed a variety of software projects related to FIRST Robotics Competition.
Achievements:
- Wrote code that powered four distinct competition robots
- Designed software that allowed robots to complete complex tasks autonomously
- Created open-source electronic system that facilitates collection and analysis of data on other robots at competitions
- Developed internal utilities to aid with testing and debugging, including a logging system and log visualizer

2013–2015   **The Blue Alliance**
Developer
Led development of native Android application for The Blue Alliance, a web service that hosts robotics competition data.
Achievements:
- Utilized existing APIs to bring a better experience to mobile users
- Developed robust caching system to allow for offline use
- Regularly released new features and upgrades to nearly 8,000 users

skills

- Extensive experience with Java, Android, Git/GitHub
- Basic knowledge of C/C++, JavaScript, Python
- Excellent with teamwork and collaboration

honors & awards

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