

nathanwalters

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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**

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 Java and C++ code that powered four distinct competition robots
- Designed software that allowed robots to complete complex tasks autonomously
- Created open-source Android app that facilitated collection and analysis of data on robots at competitions
- Developed internal utilities to aid with testing and debugging, including a Beaglebone-powered logging system and log visualizer
- Taught and mentored younger students

2013–present **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 RESTful APIs to bring a better experience to mobile users
- Helped design account feature that enabled push notifications and cross-platform favorites synchronization
- 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
- UIUC: James Scholar, Chancellor's Scholar
- High School: math and physics departmental awards
- National Merit Scholarship Finalist