# ALEXANDER T. TONEY
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## EDUCATION

| Columbus, OH | The Ohio State University | Expected Graduation: May 2019 |
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- B.S. in Computer Science and Engineering Honors, Minor in Linguistics Honors **Overall GPA: 3.96**
- Dean's List (Autumn 2015 – Spring 2016)
- Recipient of the Ohio State University Maximus Scholarship
- **Coursework:** Fundamentals of Engineering Honors, Honors Collegium
- **Activities:** Buckeye Hackers, Juggling Club, Aikido (Safety Manager), Boo Radley Society, Crosswalk Homeless Outreach

| Cincinnati, OH | Sycamore High School | Graduated: May 2015 |
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- Graduated Summa Cum Laude GPA 4.460
- **National Merit Finalist** (2015): Awarded for high achievement in academics, particularly on the PSAT and SAT tests

## ENGINEERING EXPERIENCE

| IT Intern | American Woodmark Corporation, Winchester, VA | Summer 2016 |
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- Developed a responsive internal web application with email notification functionality using ASP.Net MVC for project expense management and requisition approval
- Increased efficiency and flexibility of requisition system that is used by more than 30 employees
- Drafted a web application and designed the database structure for managing employee performance evaluations
- Scheduled and coordinated 25 interviews with members of the company to learn about their experiences in IT

## LEADERSHIP

**Juggling Club** (2015 – Present): *President*
- Doubled meeting attendance by improving communication with members and actively managing the club
- Coordinated members and resources for recruitment at the Autumn Student Involvement Fair
- Planned weekly club meetings by setting a time and location to adapt to varying situations

**Programming Team** (2013 – 2015): *Captain*
- Lead a team of 4 in programming challenges at the Miami University High School Programming Contest
- Presented topics in CS such as bit-string flicking, Turing completeness, cellular automata, prefix, and postfix
- Prepared team members for the American Computer Science League contests and the Miami University High School Programming Contest through collaboratively solving practice problems

**Ohio State Welcome Leader** (Autumn 2015)
- Welcomed students and families on move-in day and assisted in transporting their possessions into the dorms

## TECHNICAL EXPERIENCE

**OHI/O Hackathon: Sentimetrics** (Autumn 2016)
- Created web app that mined twitter for tweets in a specific region, determined using Esri's geocoding API, then processed them for sentiment values using Google's NLP API, and then mapping the sentiment values over a heatmap using Esri's ArcGIS API.
- Won $1000 from Esri for the best use of their API at the 24 hour hackathon.

**Fundamentals of Engineering Honors Robot Competition** (Spring 2016)
- Placed third overall out of 64 teams in a head to head competition which consisted of robots autonomously performing various movement and object manipulation tasks in 4-way races
- Worked with two other team members to build and program robot using Qt Creator and C to complete the entire course, reacting to data received during the run like light and position data
- Documented and presented the robot's development process as the primary documenter

**OHI/O Hackathon: FriendMe** (Autumn 2015)
- Led in creating an android application for sharing contact and social media information through NFC as a member of four-person team during the OHI/O Hackathon using Android Studio and GitHub
- Achieved goal of a fully functional application that shared contact information, exchanged twitter follow requests, and linked users to add each other on Facebook by the end of the 24 hour hackathon

**Languages and Technologies**
- **Languages:** Proficient in Java. Familiar with C++, C#, HTML, MATLAB, Python. Exposure to Visual Basic, SQL, XML, CSS
- **Technologies:** Android Studio, GitHub, Subversion, ASP.NET MVC, Linux, Visual Studio, Eclipse, MS Office