

ADAM CORDINGLEY

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EDUCATION

- **Huntington High School (2012 - present)**

EMPLOYMENT

- **Laboratory Assistant - Marshall MBIC 2015**
Hired by the Molecular & Biological Imaging Center (MBIC) to assist in research using Atomic Force Microscopy (AFM).

ACADEMIC ACHIEVEMENT

- **Huntington High School Honors Program**
Academic Program; for students who are academically distinguished. Long term projects are focused on academics and preparing for college and careers. Students are required to complete 100 hours of volunteer service and 100 hours of job shadowing by the end of their High School career.
- **National Science Olympiad 2014-15**
- **Math Field Day 2014-15**
- **Marshall University TREK Summer Research Program 2014**
A 6 week program allowing High School students and teachers to work with professional scientists on a research project. Adam was involved with the Chemistry department and learned to operate HPLC and ICP-AES to determine the concentration of organic and inorganic components of sunscreen. At the end of the session, Adam gave a presentation of his results.
- **Scanning Electron Microscopy research project & Sigma Xi poster presentation**
Used Scanning Electron Microscopy (SEM) to analyze the wear on oboe reeds over time and how this correlates with tone quality. Adam presented a Sigma Xi poster for the project in spring 2014 at Marshall University.
- **YSDE (Youth Science Discovery Experience) – 2014**
- **WVYSC (West Virginia Youth Science Camp) – 2013**
- **YSDE– 2013 [Session not completed due to loss of funding for the program]**
- **GSMS (Governors School for Math and Science) – 2012 – for rising 9th graders**

COURSES TAKEN:

- **Classes currently enrolled in (2015-16):**
 - MTH 230 (Calculus/Analytical Geometry II); Marshall University
 - Computer Science I; Marshall University
 - AP Literature
 - AP Physics 2
 - AP US Government & Politics
- **Classes completed in past:**
 - AP Calculus AB, Pre-Calculus Honors, Trigonometry Honors, Algebra II Honors
 - AP Physics 1, Chemistry Honors, Biology Honors, Honors Physical Science 9
 - AP English Language, English 10 Honors, English 9 Honors
 - AP US History, U.S. History Honors, World History -1900 Honors
 - Japanese 3 Honors, Japanese 2, Japanese 1
 - Junior ROTC
- **TAG** (grades 5th – 8th [involved in similar program since 2nd grade])

HONORS AND AWARDS:

- Daughters of the American Revolution Good Citizenship Award (21st May 2012).

EXTRACURRICULAR ACTIVITIES:

- **VEX Robotics Competition Skyrise 2014-15**

Adam is Co-founder of the HHS VEX Robotics Competition Team. Each team must build and program a robot using the VEX parts and platform, then attend competitions in which the robot is used in matches, which are games or tasks that the robot must do in order to score points. The robot is both driven by members of the team and run autonomously.
- **VEX Robotics Competition Toss Up 2013-14**
- **Clarinet**

Taking private lessons with music professor at Marshall University.
- **HHS Japanese Club**

After school interest group centered around learning about Japanese Culture.
- **Budo Taijutsu (Martial art)**

Japanese Martial art practiced and developed for over a thousand years. Budo Taijutsu is a school of Togakure Ninjutsu. It is a practical self-defense martial art. We do not do tournaments due to the nature of the art (being a self-defense martial art). I have reached 4th kyu level (starting from 9th kyu and going *down* to a black belt level) in this art.

- **Western Virginia Military Academy (Civil War History Club)** (6th grade – present)
The WVMA is a 'living history' club. They meet once a week and learn about the military tactics and drill of the militaries of the period around the civil war. They attend local living history events and reenactments and portray a civil war period military academy. Adam has been involved in this for years and finds it to be a historically enriching activity. They have a ranking system set up, ranking from privates to captains. They are a 'cadet run' group and leadership skills are needed to be an officer. Adam has earned the rank of Captain.