



# Ryan K. Shappell

*I am a dedicated and hardworking student who is genuinely curious about how the world works around me. I have applied this inner drive to every aspect of my life including my learning in and out of school, my athletics, and my artistic endeavors.*

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## Education background

- University of Washington GPA: 3.59 2017 – Present
- High School GPA: 91.88 of 100.00
- St. Mary's International School (Japan) 2011 – 2015
  - Honors Mathematics 2013 – 2015
  - TASSEL Teacher 2013 – 2015
  - Cross Country 2011 – 2015
  - Track & Field 2011 – 2015
- Walworth Barbour American International School (Israel) 2015 – 2017
  - Various AP Courses (Physics 1, Calculus AB & BC, Statistics, Computer Science, English Composition & Literature, Biology)
  - Cross Country 2015 – 2017
  - First Robotics Competition 2015 – 2017
    - FRC Team Captain: 2016 - 2017, Organized team's work plans, communications and events for the build season and competitions. Build-Team Leader and Driving Team - Copilot

## Special skills

- Robotics – Design, build and testing of various mechanical apparatus and drive systems using tools, 3D Printing, Google Sketchup CAD
- Programming (Java)
- Google Apps (Docs, Sheets, Sites, Slides)
- MS Word and MS Excel
- Electronics
  - Soldering, wiring, schematic reading
  - Circuit Design (Autodesk Eagle)
  - Arduino digital controller
- Various power & hand tools (Drill press, Horizontal band-saw, Chop saw, Angle grinder, Jig saw)
- Graphics design
  - Vector graphics with Inkscape
  - Illustration with Krita
  - <https://hoovcat.deviantart.com/>

## Awards

- President's Award for Educational Excellence 2017
- AP Scholar with Distinction 2017
- Excellence in Science 2016, 2017
- National Honor Society 2016
- Eagle Scout 2015

## Professional experience

- Advanced Robotics Team at the University of Washington 2017 – Present
- Volunteering for Computer Applications Class 2017
  - Assisting teacher with instruction
  - Being available to students for consultation or advise on their projects
  - Helping students learn the tools and machinery in the shop
- Summer pet/house sitting business 2017
  - Traveled each day to clean and maintain the house, take care of plants, cleaned animal rooms and waste, stayed to give pets necessary attention
- Genius Bar 2015 – 2017
  - Ran the Help Desk for students and staff at the WBAIS High School
  - Troubleshooting various technology problems software & hardware
  - Experience with windows computers, Microsoft Office, software installation and troubleshooting, hardware setup
- Volunteer TASSEL Teacher 2013 – 2015
  - Taught English weekly to Cambodian children over the internet
  - Organized lesson plans and participated in fundraising activities
  - Traveled to Cambodia in person to teach and help children as a summer service trip

## References

- Neil Jacover High School Principal – Walworth Barbour American International School (WBAIS)  
Email: [njacover@wbais.net](mailto:njacover@wbais.net)
- Chris Panna History Teacher/Technology Advisor – WBAIS  
Email: [cpanna@wbais.net](mailto:cpanna@wbais.net)
- Benny Schwabsky FRC Robotics Program Mentor – WBAIS  
Email: [schwabskyb@gmail.com](mailto:schwabskyb@gmail.com)
- John Teters Mathematics Teacher – WBAIS  
Email: [jteters@wbais.net](mailto:jteters@wbais.net)

