Aaron M. Shappell

I am a dedicated and hardworking student who is driven to understand the inner workings and interactions of technology and the world. This makes me who I am as a person in my day to day life whether it be my studies, athletics, or my personal tinkering endeavors.

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Professional Experience

- Information Systems/Technology Student Assistant   2017 - Present
    - EH&S University of Washington
    - Assists the IT office in all manner of tasks including basic duties such as helping setup new computers, take down of machines, update the existing machines as needed, software installation and modifications as needed, and user phone support and specific help calls.
- Volunteer for Computer Applications Class   2017
    - Assisting the teacher
    - Provide advice for project directions in the class
    - Teach proper and safe use of tools in the lab
    - Help with AP Computer Science students
- First Robotics Competition   2015 - 2017
    - Team captain
    - Lead programmer
    - Lead electrical
- Genius Bar Member   2015 - 2017
    - Help desk for both students and staff of the WBAIS High School
    - Troubleshooting technology related hardware and software problems
    - Experience with windows computers, Microsoft Office, Google Apps, software installation and troubleshooting, hardware setup.
- Cambodia TASSEL Teacher   2013 - 2015
    - Taught English weekly to Cambodian children over the internet
    - Organized lesson plans and participated in fundraisers
    - Went on a summer service trip to Cambodia to teach and help children in person

Education and Training Experience

- University of Washington Pre-Engineering Student   2017-Present
- High school GPA: 91.46 of 100.00
- Walworth Barbour American International School (Israel)   2015 - 2017
    - Completed eight AP courses including Computer Science, Physics 1, Calculus AB & BC, Statistics, Biology, and English Composition & Literature
    - Cross Country   2015 - 2017

- o   First Robotics Competition   2015 - 2017
- St. Mary's International School (Japan)   2011 - 2015
  - o   Honors Mathematics   2013 - 2015
  - o   Cross Country   2011 - 2015
  - o   Track and Field   2011 - 2015

Skills

- **Robotics**
  - o   Advanced Robotics at University of Washington – Co Development team lead
  - o   First Robotics Competition – Team Captain 2016-17, Responsible for team logistics, communications, public outreach, Team Leader Software & Electronics build team, Driving Team Pilot.
  - o   System design & Coding for both Tele-operator and Autonomous mode operation
  - o   Operation of power tools, hand tools and 3D Printer
- **Programming**
  - o   Java
  - o   Javascript
  - o   Web Design
  - o   Git & Github
- **Google Apps**
  - o   Docs, Sheets, Slides, Sites
- **MS Office**
  - o   Word, Excel, PowerPoint
- **Electronics**
  - o   Arduino microcontroller
  - o   Raspberry Pi
  - o   Soldering
  - o   Circuit Design (Autodesk Eagle)
- **Power and hand tools**
  - o   Drill press, Horizontal band-saw, Chop saw, Angle grinder, Jig saw, cordless drill

Awards & Honors

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

References

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