

SUMMARY

A highly creative, independent, and intellectually curious student technologist and inventor

EDUCATION

2011-Present **The Westminster Schools**, Atlanta, GA, Class of 2017
2010-Present **Independent Technology Study** 2400 Hours+ (See Independent Study Attachment)
2010-2014 **Teton Valley Ranch Camp**, DuBois, WY

EMPLOYMENT

July 2016 **Factum Arte**, Madrid, Spain, *Engineer on Veronica Chorographic Scanner Team*

- Secured public attribution as key member of Scanner Team at Royal Academy, London <https://www.royalacademy.org.uk/exhibition/projects-the-veronica-scanner>
- Automated image capture to improve Veronica 3D Scanner throughput
- Wrote code which reduced processing time required to compile images

January 2016 **Cognosos**, Atlanta, GA, *Intern to CEO*

- Constructed location transponder prototype for Mannheim Auto beta trial

2014-Present **PeachDish**, Atlanta, GA, *Software Developer*

- Developed internal temperature measurement tool for Meal Kit Boxes (MKB)
- Designed new packaging and automated MKB fulfillment process

ACHIEVEMENTS

May 2016 **University of Pennsylvania Book Award**, Westminster Schools

- Granted to student who most exemplifies the qualities of Benjamin Franklin as a scholar, innovator and community servant

July 2015 **SAE Battelle Cyber-Auto Challenge**, Detroit, Michigan, *Team Member*

- Selected from national applicant pool for 5-day "White Hat" Cyber-Security Hackathon

Spring 2015 **Social Physics Independent Research Project**

- Presented original research on the use of Twitter in the Arab Spring revolution

September 2011 **TEDxKids**, Vancouver, BC, *Speaker*

- Presented Trinity School Capstone Project: "Turning Lost into Found"
<http://tedxtalks.ted.com/video/TEDxKidsBC-Andrew-Hennessy-Turn>

NEW PRODUCT DESIGN AND DEVELOPMENT

Dec 2015-Present **CoxBox**, Atlanta, GA, *Inventor*

- Designed and developed prototype of GPS tracking system for coxswains

Aug-Dec 2015 **QuickBrush**, Atlanta, GA, *Developer*

- Developed innovative, proprietary wheel cleaning brush for business operator

Jun-Oct 2015 **Aerial Foundry**, Atlanta, GA, *Founder*

- Constructed fixed-wing Remote Control plane
- Designed and fabricated quadcopter drone, which performs aerial mapping

ATHLETICS

2015-2016 **Atlanta Junior Rowing Association**, Roswell, GA Novice Crew, 20+ hours/week
Fall 2013, 2014 **Westminster School** Varsity Cross Country Team, Letter

ANDREW HENNESSY

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INDEPENDENT TECHNOLOGY STUDY

SOFTWARE DEVELOPMENT

- Raspberry *Pi*
- Product design & development
- *Arduino* microcontroller
- Drone firmware development
- Avionics
- Radio technology & telemetry
- *Amazon Web Services* computing tools
- Computer-aided design: Dassault Systemés *SolidWorks* , *AutoDesk Fusion 360*
- LINUX CLI and shell
- *SAE* On-Board Diagnostics 2-wire communications for automobiles
- Cryptography
- Large data set recording and analysis
- MIT OpenCourseware: artificial intelligence, machine learning
- Computer systems & radio frequency engineering
- Automated bulk camera control
- Photogrammetry

HARDWARE

- Self-built and designed drones
- 3D printers: SLA, FDM, laser, and resin sintered
- Printed circuit board design
- *Altium Designer*, *Eagle CAD*, *ECAD.iO*
- Electronics, wiring, design
- Injection mold-design
- Material fabrication pre-processing and preparation