

# Jason Kaufmann

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## EDUCATION

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### UNIVERSITY OF PENNSYLVANIA (PHILADELPHIA, PA)

School of Engineering: Candidate for B.S. in Engineering (Bioengineering.)

Class of 2021  
GPA: --/4.00

### Suncoast Community High School (PALM BEACH COUNTY, FL)

MSE (Math, Science, and Engineering)/IB (International Baccalaureate) Programs

Awards: National AP Scholar, Science Pathfinder Scholarship Winner,

ACT, SATs: 36 Composite, 800 Math II, 790 Physics /IB Diploma Programme Score: 41

Class of 2017  
GPA: 4.0/4.0

## EXPERIENCE

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### HALO TECHNOLOGIES– Engineering Intern (Palm Beach, FL)

May 2017–Current

- Responsible for graphic design, CAD, 3D scanning, and 3D printing.
- Trained in use of Creaform 3D scanner and VXEelements software.
- Built 3D printers employed in production.
- Lead projects and communicated with customers to provide the best and most seamless experience.

### PENN ELECTRIC RACING (FSAE) – Electrical Hardware Member (Univ. of Pennsylvania, PA)

August 2017 –Current

- Employed Altium in the production of custom PCBs used on the car such as the BMS (battery management system), PCM (powertrain control module) and the PDU (power distribution unit).
- 1st place car last year, ranked 3rd overall in the world for FSAE
- Aided in the streamlining process for the car's wiring harness by creating diagrams in Visio showing how the signals are routed around the car.

### STANFORD SCHOOL OF MEDICINE– Advanced Cardiothoracic Surgery Intern (Maui, HI)

June 2017 – July 2017

- More advanced program where I strengthened my knowledge of laboratory surgical skills
- Learned about complex cardiac functions, anatomy, and congenital heart defects.
- Performed simulated procedures in lab such as fixing a Ventricular Septal Defect (VSD) and Tetralogy of Fallot.

### STANFORD UNIVERSITY– Cardiothoracic Surgery Intern (Palo Alto, CA)

May 2016 – July 2016

- Studied at Falk Cardiovascular Research Center and performed simulated procedures, including CABG (Coronary Artery Bypass Grafting), aortic valve replacement, cardiopulmonary bypass and suturing
- Shadowed cardiothoracic surgeons and gained insight into the technical and personal aspects of their work
- Attended lectures led by cardiothoracic surgeons from Stanford and UC Berkeley

### INTEL INTERNATIONAL SCIENCE AND ENGINEERING FAIR – Finalist (Phoenix, AZ)

May 2016

- Project: an affordable, higher-end, consumer FDM 3D printer
- Reduced the cost of the printer to \$500, a vast savings in comparison to the multi-thousand dollar commercially marketed printers – without sacrificing quality, efficiency, or strength.
- Recognition: 4th place - Engineering Mechanics

### FLORIDA ATLANTIC UNIVERSITY – Engineering Scholars Program (Boca Raton, FL)

June – September 2015

- Created photo-sharing, weather forecast, and geometrical calculations websites (Portal: [lamp.cse.fau.edu/~jkaufmann2015](http://lamp.cse.fau.edu/~jkaufmann2015))
- Electronic design with operational amplifiers course (hands-on electronic circuit design)
- Recognition: 1st place, AM Transmitter and Receiver Competition

### TOPS SOCCER – Volunteer (Jupiter, FL)

August 2013 - May 2017

- Fostered confidence in young athletes with disabilities through playing soccer with them every Tuesday night .

## SKILLS & INTERESTS

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SKILLS: Microsoft Office & Project, MatLab, Solidworks (CAD), Rapid Prototyping, Manufacturing, Java, Altium, Laser Cutting, Arduino, Spanish (Proficient)

INTERESTS: Automotive & Aerospace Engineering, SCUBA Diving, Rubik's Cubes, Medicine