JULIAN BEN HERMAN

PERSONAL INFORMATION

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SUMMARY

Motivated and athletic tech-enthusiast living a vegetarian lifestyle with a desire to engage in technology-based innovative farming. Knowledgeable and fast learner with experience in landscaping/gardening, physics, electronics, mechanics, and creating innovative solutions.

EDUCATION

Stevens Institute of Technology, Hoboken, NJ, USA — *2017–2018*
- Computational Physics, Physics - 4.0 GPA

Vernon Township High School, Glenwood, NJ, USA — *2013–2017*

The International School of Macao, Taipa, Macau — *2011–2013*
- Canadian International school with accreditation for grades 7 and 8

WORK EXPERIENCE

Bowery Farming, Kearny, NJ
Part-time Farm Operator — *2018–Current*
Harvesting (occasionally using auto-harvester), quality control, and packing of leafy greens in a manufacturing environment.

Self-employed, Vernon, NJ
Private Tutor — *2015–Current*
Tutor students of any age and skill level in mathematics and science.

Stevens Institute of Technology, Hoboken, NJ
Teacher's Assistant — *Jan–May 2018*
Directly teach and motivate third to sixth grade students in mathematics at Wallace Elementary School under teacher's supervision for the Math Circles program managed by Stevens Institute of Technology.

Pleasant Valley Lake, NJ
Arborist's Assistant — *2013–2018*
Operation of wood chipper, log splitter, lawn mower and leaf blower. Basic rope access work.

Vernon Township High School, NJ
Volunteer Lab Assistant — *2016–2017*
Maintain chemistry lab, create new solutions, fix lab equipment, prepare and occasionally demonstrate lab experiments, and assist all science departments.

Ambulance Squad, Vernon, NJ
First Aider Volunteer — *2015–2017*
First Aider assisting Lead EMT; checking and sterilization of rig.

SKILLS

Computer Software
MS Excel, Word, PowerPoint, Autodesk Inventor and DraftSight. Coding in Python, HTML, CSS, and LaTeX.

Manual
Troubleshooting and repairing basic machinery and appliances; basic oscilloscope usage; circuit layout and soldering; 3D Printing: file preparation and tweaking, bed calibration, printing process.

CREDITS & AWARDS

- Maintained a 4.0 GPA in Computational Physics/Physics — *2017–2018*
- Science Department Award, Vernon Township High School, Class of 2017 — *2013–2017*
- First Place - Sussex County, NJ, MERCK State Science Day Test for Chemistry — *2017*
- Ranked 7th out of 271 students with a 4.0 GPA at Vernon Township High School — *2013–2017*
- Designed and engineered a robot with the Vernon Township HS Robotics Club — *2016*
- Outstanding Achievement in Science Award, The International School of Macao — *2011-2013*

Interests & Activities
Astronomy & Astrophotography · Rock climbing · Hiking · Backpacking · Traveling · Spelunking · Freediving · Agriculture · Conducting personal scientific experiments and research, and recreating published experiemnts.

Societies
Society of Physics Students · Computer Science Club · Climbing and Mountaineering Club · Math and Science National Honor Society.