

EVAN SCHNEIDER

www.evanschneider.net

Education:

Stanford University

Master's in Mechanical Engineering, Class of 2014

GPA: 4.09 (out of 4)

Massachusetts Institute of Technology, Class of 2012

Major: Mechanical Engineering

Minor: Management

Winner of Silent Hoist and Crane Award for Academic Excellence (2012)

Winner of Park Manufacturing Award (2010)

Engineering and cumulative GPAs: 5.0 (out of 5)

College Preparatory School, Oakland California, Class of 2007

Winner of Senior Science Award

GPA 4.0 (out of 4)

Employment:

August 2021 – Present: Founder of POP Manufacturing, LLC

Expanding on my work at RYT, POP owns and operates 20+ industrial 3D printers. In addition to working with local companies to prototype and produce all manner of plastic parts, we also offer in-house CNC machining and consulting to ensure successful and timely product launch schedules.

September 2015 – August 2021: 3D Printing at RYT Manufacturing, LLC

I worked with the owner of RYT, part time at first, to begin an additive manufacturing component of his business. When the owner of RYT retired, we operated 10+ industrial 3D printers (FDM and PolyJet) as a service-bureau business in the Silicon Valley.

November 2014 – March 2016: Supply Chain Manager at Savioke

I work alongside engineers, suppliers, and manufacturers to ensure that robots are made on time and on budget. Key responsibilities include production planning, DFM work, QC, and inventory/budget management.

Other Experiences:

2014-Present: Invented and Co-Founded OaSense, LLC (www.oasense.com)

With the CA drought as my motivation, I worked to design, prototype, and build a smart showerhead that helps users save water without subjecting them to the dreaded low flow shower experience. The idea has been tested, tuned, and refined a lot since then, and in 2018 I was fortunate enough to witness a world class team gather together to deliver the product to the world.

2013-Present: Co-Founded Vintuitive Winemaking Tools, LLC (www.vintuitivewmt.com)

Worked with Alex Mitchell, owner of York Machine Works, to design, prototype, test, manufacture, and market tools for the winemaking industry. Annual device sales have grown to hundreds of units per year with nine vendors as of August 2015.

2011, 2012: Mission Motors Mechanical Engineering Internship

Worked in San Francisco with the recently-founded Mission Motors team (an electric vehicle powertrain developer) to design, build, and execute tests of lithium-polymer battery performance under various usage conditions.

2010: MIT Undergraduate Research Program

Worked with Professor Chun and a graduate student team to design and test folding and compressing machines for the manufacture of pills from thin-film polymers containing active pharmaceutical ingredients.

2006, 2008: California Institute of Technology, Jet Propulsion Laboratory

Worked under Brian Wilcox to develop a low earth orbit fuel depot and co-authored resulting published paper¹.

¹ "Low-Cost Propellant Launch to LEO from a Tethered Balloon - 'Propulsion Depots' not 'Propellant Depots'", Jet Propulsion Laboratory, California Institute of Technology.

Other Qualifications, interests, and activities:

- CAD and CAM (including Solidworks, MasterCam, Insight, and g-code)
- Thorough knowledge of 3D printing technologies, parameters, and materials (primarily FDM and PolyJet)
- Skilled in the design and expedient production of prototypes
- Manual and CNC machining
- TIG, MIG, and oxy acetylene welding and brazing
- EE and programming (Mechatronics, Arduino, Python, Java, and C++)
- Designed, built, and tuned both vintage and entirely home-made mopeds
- Designed and built high-power, high-altitude (1+ mile) multi-stage model rockets
- Built and operated remote controlled model cars, trucks, airplanes, and helicopters
- Enjoy creating sculptural pieces in clay, cast metal, and plastic
- Designed and built personal and professional websites

Portfolio:

Please see www.evanschneider.net for images and descriptions of my recent builds and projects