

David Rauseo

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Website: www.rauseo.net

Objective **Seeking a job in thermal/mechanical engineering for electronics or 3D printing**

Education **Rensselaer Polytechnic Institute, Troy, NY**

Bachelor of Science in Aeronautical Engineering

Spring 2017

- Design Capstone: Electric 12-passenger business plane, winner of George M. Powell, Jr. '47 Prize for Aeronautical Engineering Innovation

Experience **Associate Engineer at Aavid**

June 2017-Present

- Perform thermal tests for heatsinks and heatpipes including failure analysis
- Work with customers on sales calls to determine best solution for thermal and mechanical requirements.
- Use Solidworks, Ansys, and in-house software for thermal/mechanical simulations, industrial design, and CFD
- Use industrial design methods by working directly with product design engineers for CNC, sheet metal punching, and various heatsink assembly methods.

Summer Associate at Aavid

Summer 2015

- Ran thermal tests and performance analysis for Keurig Kold heatsink prototypes
- Built an evacuation, filling, and testing rig for HFE heatpipes
- Designed a coldplate with a pump volute and fins
- Basic heatsink consulting and extrusion selection, lab work including setting up testing rigs and liquid chillers

Consultant at RPI Computing Center Helpdesk

Fall 2013 to Spring 2017

- Provided phone, email, and walk-in support for students and staff
- Diagnose, troubleshoot, and resolved issues with engineering software, office suites, networking, and hardware problems.

Skills

3D Printing:

- Experience with Stratasys uPrint, personal Craftbot with 500+ hours of printing
- Printed prototypes, art pieces, and functional parts with ABS, PLA, Nylon, and TPU

Software:

- Solidworks, SW Sheet Metal, SW Flow Simulation
- Ansys Icepack, FEA Mechanical
- Matlab, Python, and C++ experience
- EDA KiCad design and Arduino programming
- Autodesk Fusion PLM

Technical:

- Shop tools, welding, soldering

Leadership **Brother at Alpha Phi Omega Service Fraternity** 3D Printing Team Leader

FIRST (High School) Robotics Captain, Driver, CAD, and drive-train. (Team 1517)

Eagle Scout – Senior Patrol Leader for 2 yrs