

David Rauseo

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Website: www.rauseo.net

Objective Seeking a job in thermal/mechanical engineering for PC hardware and cooling, following graduation in May 2017.

Education **Rensselaer Polytechnic Institute, Troy, NY**
Bachelor of Science in Aeronautical Engineering
Anticipated Graduation: Spring 2017

Experience **Summer Associate at Aavid Thermalloy** Summer 2015

- Ran thermal tests and performance analysis for Keurig Kold heatsink prototypes
- Built an evacuation, filling, and testing rig for a new type of heatpipe using HFE 7000 for a classified project
- Using Solidworks for design and flow simulation, designed a coldplate with a pump volute and fins to be used in a prototype Oracle server
- 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

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

Skills

3D Printing:

- Experience with Stratasys uPrint, personal Craftbot with 400+ hours of printing
- Printed PC cases, art pieces, and functional parts with ABS, PLA, Nylon, and TPU.

PC Building:

- 5 years of experience with over 25 built
- 6 water cooled computers, one mineral oil PC and attempted multi-phase cooling with evaporation tower
- Scratch-built cases out of acrylic, bent sheet aluminum, 3D-printed

Software:

- Solidworks, Siemens NX, Ansys Icepack, Matlab, Python, and C++

Technical:

- Shop tools, welding, soldering PCBs, basic circuitry

Leadership **Brother at Alpha Phi Omega Service Fraternity**
FIRST (High School) Robotics Captain, Driver, CAD, and drive-train. (Team 1517)
Eagle Scout – Senior Patrol Leader for 2 yrs.