**Resources**

Github tutorial

<https://try.github.io/levels/1/challenges/1>

University of Florida’s cryogen safety

<http://www.ehs.ufl.edu/programs/lab/cryogens/>

Foam interior/potential other commonly used sandwich materials used with carbon fiber:

<http://www.fibreglast.com/product/guidelines-for-sandwich-core-materials/Learning_Center>

Potential Indium resources:

<http://www.indium.com/engineered-solder-and-alloys/cryogenic-seals/>

<https://ntrs.nasa.gov/archive/nasa/casi.ntrs.nasa.gov/19890013479.pdf>

<http://www.aimspecialty.com/portals/0/files/sealing-with-indium.pdf>

<http://www.espimetals.com/index.php/online-catalog/854-indium-foil-sheet>

Markdown tutorial - coding for .txt files that should help with presentation?

<http://www.markdowntutorial.com/>

*Potential Vendors/Resource Contacts*

*MACHINING*

Machine Sciences (Wilsonville)

http://machinesciences.com/

Toll Free: 866.682.9980

Telephone: 503.682.9980

Fax: 503.682.9989

Email: **info@machinesciences.com**

Address: 10165 SW Commerce Circle, G, Wilsonville OR 97070

Advanced Machining Services (Bend)

(Precision Aerospace Components)

<http://amsbend.com/>

Advanced Machining Services LLC

20690 Carmen Loop #100 - Bend, OR 97702

Tele: 541-617-9500 - Fax: 541-617-7496 - info@amsbend.com

Davis Tools Inc

http://www.davistl.com/index.php/manufacturing/

* NADCAP Accredited (National Aerospace and Defense Contractors Accreditation Program)

**Davis Tool Inc**

**3740 NW Aloclek Place**

**Hillsboro, OR 97124**

**(503) 648-0936**

Prigel Machine & Fabrication Inc. (Hood River) (not as hopeful about this one)

http://www.prigelmachine.com/

3895 Heron Drive

Hood River, OR 97031

541-354-1990

*PTFE*

<http://www.advanced-emc.com/manufacturing-capabilities/>

<http://www.boedeker.com/ptfe_p.htm?utm_source=google&utm_medium=cpc&utm_campaign=PTFE%20Plastics&utm_content=ptfe%20tubes&utm_term=%2Bptfe%20%2Btubes&gclid=CKD1po_KzNICFYNXfgodf1kNVA> (with typical material properties datasheet on website if values for analysis are needed) (*This one likely will not work out, only spec’d down to -73C*)

<http://www.professionalplastics.com/Teflon_Tubing> (see link/comment halfway down page, looks like they offer 2” to 20” OD compression molded PTFE tubing) (this place is in Tualatin, probably same place Chris found)

<http://www.midlandplastics.com/srtd_PTFE.htm> (**Tubing**

Extruded or molded PTFE tubing is available in outer diameter (O.D.) dimensions of 1/16 inch up to 60 inches.) (Sent them email/questionnaire form, waiting to hear back)

<http://www.nationwideplastics.net/high-performance-plastics/ptfe/>

(Contacted, waiting for response)

<http://www.houmfg.com/products/machining.php>

(Contacted,waiting for response. Their website says they do custom PTFE machining and generally work within tight tolerances)

*Aerospace Nomex Honeycomb*

<http://www.ahtinc.com/products.htm> (previous vendor I believe?) (contacted them for a price quote for 1 sheet (48”x96” hexagonal cells,0.125”-0.25” thickness),waiting to hear back. Assuming 3” ID & 3” height per rough calculations by me & Russell 1 sheet should be plenty of material.)

<https://www.plascore.com/honeycomb/honeycomb-cores/aramid-fiber/pn2-aramid-fiber-honeycomb/> (these guys also do plascore/aluminum honeycombs)

<http://www.hexcel.com/Products/Honeycomb/HexWeb-Honeycomb>

*Hydrostatic Testing Pump*

<https://www.grainger.com/product/WHEELER-REX-Hydrostatic-Test-Pump-6GDU4?s_pp=false&picUrl=//static.grainger.com/rp/s/is/image/Grainger/6GDU4_AS01?$smthumb$>

(hand operated,¼” outlet, up to 300 psi)

*Robert Rocket Project*

<http://watzlavick.com/robert/rocket/>