

DAVID S. HURT

PERSONAL DATA

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WORK EXPERIENCE

JUNE 2016-
PRESENT | **Aquion Energy** | Test Engineer | Pittsburgh, PA, USA
Organizing and operating testing equipment (Maccor, MTI, Arbin) for Research and Development department. Working in Matlab to process data for wide variety of experiments, from product development to material research. Personal projects include prototyping company's first simulations model, combining empirical data with electrochemical principals to assess battery fade mechanisms. Currently managing test and data resources on Aquion's restructuring team.

MAY 2015-
MAY 2016 | **Lockheed Martin: AES** | Chemical Engineering Co-op | Cambridge, MA, USA
Operated test stacks for redox flow battery operation, working to scale up technology from bench to product capacity. Analyzed data for battery durability and efficiency testing. As an independent project, characterized an optical probe for *in-situ* measurements of battery state of charge.

JUL-DEC
2014 | **DANA Victor Reinz** | Chemical Engineering Practicum | Ulm, Germany
Tested cylinder head gasket primer chemistry and application techniques. Drafted experimental protocol for international research teams to apply the primers in a lab to accurately reflect results from industrial processes. Regularly presented to department in both German and English.

JUL-DEC
2013 | **INFINIUM Metals** | Chemical Engineering Co-op | Natick, MA, USA
Performed chemical compatibility testing and analysis on anode materials for novel refining processes. Developed a blanket gas cleaning and recycling system for high temperature electrolysis.

EDUCATION

MAY 2016 | Bachelor of Science Degree in CHEMICAL ENGINEERING and PHYSICS
Northeastern University, Boston MA, USA
Positions Held : AIChE President, ChemE Car Team Captain
GPA: 3.3 / 4.0

TECHNICAL SKILLS

Computer Skills: Excel/VBA, Kaleidagraph, MATLAB, Python, \LaTeX , LabView
Lab and Analytical Skills: SEM, EDX, XRD, UV-Vis Spectroscopy, MTI, Arbin, MACCOR
Languages: Native English, Working German, Basic Spanish

INTERESTS AND ORGANIZATIONAL AFFILIATION

Physical Activities: Épée and Sabre Fencing, Sailing, Camping
Leisure Activities: Travel, Cooking, Homebrewing
Active Memberships: AIChE, Boy Scouts of America, Electrochemical Society