

DAVID S. HURT

PERSONAL DATA

PHONE: (443) 834-5918
ADDRESS: 5324 Dresden Way | Pittsburgh PA 15201

EMAIL: Contact@David-Hurt.com
WEBSITE: www.David-Hurt.com

WORK EXPERIENCE

- JUNE 2016-
PRESENT | **Aquion Energy** | Process Development and Test Engineer | Pittsburgh, PA
Operating battery cycling equipment and processing data for Research and Development department. Personal projects include prototyping company's battery simulations model, combining empirical data with electrochemical principals to assess battery fade mechanisms. Currently leading chemical process development team, specifically focused on scale-up of Anode active materials for our Aqueous hybrid-ion battery. Acting as interim lead engineer for stand-up of manufacturing in China.
- MAY 2015-
MAY 2016 | **Lockheed Martin: AES** | Chemical Engineering Co-op | Cambridge, MA
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
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
Positions Held : AIChE President, ChemE Car Team Captain, AIChE Professional Chair
GPA: 3.2 / 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