

DAVID S. HURT

PERSONAL DATA

DATE & POB: 29 July 1993 | Baltimore, Maryland
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WORK EXPERIENCE

NOV 2018- | **BenAn Energy Technology** | Shanghai, China
PRESENT | Consulting Engineer for Battery Performance | Seattle, WA
Assessed and redeveloped the quality control battery test systems while living at the Shanghai office. Also worked with Shanghai pilot R&D team to communicate research work with the US counterparts. Programmed automatic battery data analysis scripts in python.
Continuing Data-Processing and experimental consulting tasks while at University of Washington, focusing on Next-Generation product development. Taking lead on test-based qualification of battery performance and cost modeling for new product.

JUNE 2016- | **Aquion Energy** | Process Development and Test Engineer | Pittsburgh, PA
OCTOBER 2018 | Organized and operated testing equipment (Maccor, MTL, Arbin) for R&D, and processed performance data for product scale battery tests. Led the Aquion Pilot Operations team to optimize anode active material performance and reliability.

MAY 2015- | **Lockheed Martin: AES** | Chemical Engineering Co-op | Cambridge, MA
MAY 2016 | Operated KW-scale Test articles of the FlowSTAR Redox flow battery. Focused on prototype testing, lifetime data analysis, and State-Of-Charge control including through novel UV-Vis techniques.

EDUCATION

SEP 2019- | Master of Science Degree in CHEMICAL ENGINEERING
JUNE 2020 | **University of Washington**, Seattle, WA
Focus Track: DIRECT Data Science
Projects: Spray Dryer 3D Model, EIS Data Interpreter, Open-source Battery Model

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

TECHNICAL SKILLS

Pilot Equipment: Spray Dryer, Belt Furnace, Rotary Calciner, Battery Assembly Line
Battery Test Equipment: Maccor, Arbin, MTL/Neware, BioLogic, Some Custom Equipment
Analytical Equipment: TGA/Heat Analysis, SEM, EDX, XRD, UV-Vis Spectroscopy
Process Skills: FMEA and HAZOP study, P&ID and Controls, Scale Modeling
Computer Languages: Excel/VBA, Kaleidagraph, MATLAB / Simulink, Python, \LaTeX , LabView
Human Languages: Native English, Working German and Spanish. Beginning Mandarin.