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Homepage
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Experience **Workshop School** **Philadelphia, PA**
Technology Coordinator 9/13–6/16

- Administered and repaired 200+ Chromebooks, 50+ iMacs, and 25 Windows desktops for students in a project-based interdisciplinary CTE (Engineering & Automotive) high school.
- Spearheaded CS/tech education by teaching programming & web design; designing curriculum and teacher PD; mentoring student projects; advising the Computer Club; and organizing career exploration.
- Trained and supervised students & staff using the fabrication shop. Example projects: building a recording studio; laminating & decorating skateboard decks; designing & constructing solar battery chargers.

The Hacktory **Philadelphia, PA**
Organizer/Instructor 4/12–6/16

- Designed and taught STEM workshops on: circuits (analog, squishy, and sewable); analog sensors; equity in STEM communities; duct tape costuming; soldering; multimeters; recycled electronic jewelry.
- Lead working groups on website maintenance/design, fundraising, drafting a new mission and policies, and project/task management during relocation to University City Science Center (2013).

MIT OpenCourseWare **Cambridge, MA**
Department Liaison 7/07–4/13

- Published 75+ courses under a Creative Commons license, producing multimedia, copyright-cleared material, sample student work, transcribed notes, custom site architecture, and other features as needed.
- Supervised HTML/document authoring contractors and coordinated with IP and Production teams to meet the diverse needs of OCW users, individual faculty, and MIT as an institution.
- Cultivated relationships with engineering and humanities faculty to recruit & approve courses for publication, promote use of open-licensed material, and increase breadth of curriculum representation.

Education **Massachusetts Institute of Technology** **Cambridge, MA**
Bachelor of Science, Physics June 2007

Thesis: Self-Assembly of Conformal Polymer Electrolyte Film for Lithium Ion Microbatteries

- Non-physics coursework included electronics & computer science (4 courses) and properties & fabrication of solid-state materials (Minor in Materials Science).

Skills	General	Project management, proofreading/copyediting, data analysis, experimental design
	Software	Python, Scratch, App Inventor, HTML/CSS, JavaScript, \LaTeX , Mathematica
	Fabrication	3D printing, laser cutting, CNC woodworking, Arduino, circuit design/testing, SketchUp