



Aaron McDaniel

Product Design, Mechanical Engineer, Project Manager

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Education

Master of Product Development
Carnegie Mellon University / '14

M.S. Mechanical Engineering
Rose-Hulman Institute of
Technology / '09

B.S. Applied Physics and Business
Linfield College / '06

General Electric Edison Engineering
Development Program / '11

Design for Six Sigma Lean Green
Belt General Electric / '11

Awards

Gold Medallion Patent Award
General Electric / 2013

12 US patent applications, 7 issued.

Skills

Product design. CAD; SolidWorks
and PTC Creo. Sketching,
prototyping, Adobe Suite.

ME. Electro-mechanical design,
injection molded-parts, sheet metal,
DFM, DFA, and Six Sigma

PM. Interface with clients, supplier
management (including overseas),
Product development process.

I endeavor to design meaningful products to enrich peoples' lives through integrated product development and user-centered design. Leveraging my multi-disciplinary education and experience, I focus on the customer needs and exceeding expectations.

Experience

Over ten years of product development experience in consumer and medical space over a dozen products from concept to production as well as 12 patents filed. A sample of projects I have worked on can be seen on at www.aaronmcdaniel.design.

Mechanical Engineer / Amazon / Seattle, WA / August '17 to present

Lead engineer in next generation hardware for the Amazon Go. Amazon Go is a grocery store with hardware (vision and sensors) that allows consumers to purchase products without cashier or checkout station. Just grab and go.

Senior Mechanical Engineer / ChefSteps / Seattle, WA / March to August '17

Led research and development on next generation sous vide maker, a WiFi and Bluetooth enabled kitchen appliance.

Mechanical Engineer / Product Creation Studio / Seattle, WA / June '14 to March '17

Lead engineer on three products and mechanical engineer on over a dozen. Products I led include new cookware product line, medical diagnostic headset, two different medical device trainers, and circuit board test fixture.

Mechanical Engineer / Bally Design / Pittsburgh, Pa / December '13 to May '14

Led the development of a dental applicator and industrial container. Interned while going to school full time at Carnegie Mellon University where I received a Master in Product Development.

Product Architect & Co-Founder / Occura Sys. / Pittsburgh, Pa / Nov. '13 to May '14

Product architect of smart physical therapy goniometer. Developed business plan, conducting user research, and built functional prototypes. Product was selected as a top 13 finalists by Thrill Mill Early Stage Startup Accelerator.

Design Engineer / General Electric - Appliances / Louisville, KY / June '07 to July '13

June '10 to July '15. Designed and executed 36 new dishwasher consumer interface parts as part of three product family launches with over 1.5 million annual volume. Parts include dishwasher outer and inner door and rack assembly parts.

June '08 to July '10. Completed Edison Engineering Development Program that consisted of advanced engineering courses, technical projects, and four rotational assignments in different product lines. Led initial development through working prototypes for ice maker bucket, refrigerator shelf, and range soft-close hinge.

June '07- January '08. As a refrigeration material cost-take-out engineer I redesigned a refrigerator door hinge for all top mount refrigerators.