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MassChallenge Startup Accelerator, MA, USA

Experienced, innovative product design engineer who combines human-centered design with technology to develop products and experiences that can help shape the future. Previous experience ensures a high level of business awareness as well as sound knowledge of mechanical engineering. Seeking a dynamic role in a design or innovation studio with opportunities for growth.

Design: Experience Prototyping, Design Process, Proof of Principle, R&D, Human Centered Design, User and Market Research, Ethnographic Research, User Testing, Iterative Design, Sketching, CAD Modeling, FEA Analysis, Design for Manufacturing and Assembly, 3D Printing, Milling, Laser Cutting, Technical Drawing, Microcontrollers, Soldering.

Software & Programming: NY Crea SolidWorks ANSVS SAP Fusion360 Adobe InDesign Rhino/Grasshonner C++

June -

Nov. 2016

Product Design Intern

Software & Programming: NX, Creo, SolidWorks, ANSYS, SAP, Fusion360, Adobe InDesign, Rhino/Grasshopper, C++,	
HTML, MATLAB, Python, Max8, Ableton.	
Professional	I: Project Management, Collaboration, Procurement, QA, Agile, Leadership, Budgeting, Scheduling, Risk-
Assessment	and Mitigation Planning, Stakeholder Communication, Negotiation.
Product Design Engineering Projects	
June –	Contact: a non-verbal communication platform The Glasgow School of Art, UK
Aug 2020	Devised a novel communication device, built a working prototype using a combination of sensors and
	feedback mechanisms such as heating cells and haptic motors. Conducted user tests to prove the concept
	and collect feedback for future iterations. Key Skills Demonstrated: Design Process, R&D, CAD, 3D
	Printing, Innovation, Experience Prototyping, Microcontrollers, User Testing, Communication.
April –	The Ventus Project The Glasgow School of Art, UK
July 2020	Developed an auditory display tool that pulls live weather conditions from two separate APIs and turns the
	data into a generative song using Max8 and Ableton. Key Skills Demonstrated: Medium-agnostic Design,
	Human Computer Interaction, Generative Design, API Programming, User Testing, Machine Learning.
March –	AmpSusan The Glasgow School of Art, UK
July 2020	Designed a subtle, communal way to adjust the volume of audio systems with a functional coffee table.
	Prototyped the concept under lockdown and proved the principle with a variety of user tests. Key Skills
	Demonstrated: Experience Prototyping, Resource Management, A/B Testing, Iterative Design.
Timeline	
Sept 2020	MSc. Product Design Engineering (Distinction) The Glasgow School of Art, UK
	Exercised the human-centered design process and deepened ideation, prototyping, testing and DFMA skills
	through a variety of school and personal projects.
July –	Designer (Freelance) Wild Flag Studios, NY, USA
Sept. 2019	Designed, budgeted, and procured components for a kinetic outdoor art installation.
July 2017 –	Jet Engine Development Engineer Pratt & Whitney, CT, USA
July 2019	Led the redesign of critical rotating hardware by managing a team, assessing risks, reacting iteratively to data
	and working with suppliers. Modelled and analyzed engineering changes, drafted technical drawings.
May 2017	BS. Mechanical Engineering (Cum Laude) Boston University, MA, USA
	Studied engineering fundamentals, developed design, manufacturing, software, critical thinking and interpersonal skills.
Jan. –	Product Development Co-Op Fractyl Biomedical Laboratories, MA, USA
May 2017	Developed a new manufacturing process by ordering machinery, creating a QA process, designing and prototyping fixtures and assimilating the operation into the assembly line.

Designed, developed and tested prototypes and product components for multiple early-stage startups through

CAD modelling, 3D printing, laser cutting, CNC machining and silicone casting.