RYAN STINEBAUGH

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EDUCATION

Carnegie Mellon University, *Pittsburgh, PA*
Master of Integrated Innovation for Products & Services Advanced Study, May 2019
GPA: 3.89/4.0

Carnegie Mellon University, *Pittsburgh, PA*
Bachelor of Science in Mechanical Engineering, May 2018
Minors: The Mechanical Behavior of Materials, Innovation and Entrepreneurship
Varsity Soccer, Fall 2014 – Fall 2018
GPA: 3.23/4.0

RELEVANT EXPERIENCE

Smart Hammer Innovation, Management Consulting | *Pittsburgh, PA*
Product Development Consultant, October 2018 – April 2019

- Consulted to Philips Respironics during two separate eight week terms that explored innovative technologies and markets for sleep and respiratory care.
- Conducted customer research, created personas, and developed low-fidelity prototypes

Pittsburgh Knights, Professional e-Sports Franchise | *Pittsburgh, PA*
UI/UX Intern, Summer 2018

- Led the development of a tournament software platform that would be used for local events
- Remade the company's business plan, from 200+ to 50 pages sent to Series A investors
- Created a redesign of the company website for future implementation

Evize, Project Olympus Incubator backed startup | *Pittsburgh, PA*
Co-Founder and CEO, January 2017 - 2018,

- Created an esports team management system that improved practice quality and quantity and enabled gamers to find teammates with similar goals
- Designed and coded the website using Meteor with React and MongoDB
- Conducted user research with the target demographic through surveys and usability testing to improve the UX design

Ingenero, Provider of high-end process engineering services | *Houston, TX*
Process Safety Intern, Summer 2016

- Collected and reported field data on pressure relief valves at LyondellBasell Polymers Plant
- Learned to read P&ID's and isometric drawings to work independently on the plant
- Sorted through collected data to create infographics for client presentation

PROJECTS

Wireless Piezoelectric Mechanical Keyboard (CMU), *Spring 2018*

- Designed a keyboard that harnessed energy from keypresses to increase battery life
- Used rapid prototyping techniques to iterate towards a final design
- Derived and selected the optimal materials for the final product concept through a translation and screening process
- Won most innovative design at CMU's Mechanical Engineering Spring 2018 Design Expo

Toaster Redesign (CMU), *Fall 2018*

- Disassembled a Proctor Silex toaster and recorded each part's function and assembly step
- Designed a concept toaster that uses 39 fewer parts and 17 fewer assembly steps

RELEVANT COURSES

Design I & II for Engineers	Material Selection	New Venture Creation
Mechanical Behavior of Materials	Design for IOT	Structure of Materials
Integrated Product Conceptualization	Heat Transfer	User Research Methods

SKILLS

Coding: MATLAB, JavaScript, HTML, CSS, Meteor, NodeJs, React, MongoDB
Software: SolidWorks, Autodesk Inventor, Adobe Photoshop
Prototyping: Mill, Lathes, Drill Press, Band Saw, Laser Cutter, 3D Printer