

ZACHARY SAMALONIS

industrial designer



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www.zachsamdesigns.com

EDUCATION

Jefferson University (Philadelphia University + Jefferson University), Philadelphia, PA
Bachelor of Science Industrial Design, May 2020
Concentration in Healthcare Design
GPA: 3.71

EXPERIENCE

Adjunct, 3D Printing & Rehabilitation – Jefferson University
Philadelphia, Pennsylvania • Fall 2022

- Teach Occupational Therapy students the basics of CAD and 3D printing using relevant OT examples

Industrial Designer – Phase One Design

Philadelphia, Pennsylvania • Summer 2019 – Present

- Assist in bringing multiple projects to market in a variety of different industries, including the medical, industrial and consumer sectors
- Create digital models, physical prototypes, and digital UX interfaces
- Manage clients and communicates with manufacturers to facilitate the production of products

Industrial Design Social Media Manager – Jefferson University

Philadelphia, Pennsylvania • Fall 2017 – 2020

- Attended and reported on current events happening within the Industrial Design Department
- Maintained Industrial Design Department blog website
- Helped launch [Jefferson Aspire](#)

Design Intern – Spectrum Design

Franklinville, New Jersey • Summer 2017/2018

- Created components in Solidworks and created mechanical drawings
- Assisted in basic mechanical design, manufacturing, and assembling
- Manufactured parts using a Haas CNC mill

Orientation Leader – Jefferson University

Philadelphia, Pennsylvania • April 2017 – August 2017

- Worked alongside nineteen others to aid incoming freshman in becoming part of the Jefferson University community

SKILLS

Sketching, Model Making, Market Research, Prototyping, Photo and Video Editing, Epilogue Laser/Engraver, 3 Axis CNC, 3D Printing, Haas CNC (Training), Manufacturer Sourcing

SOFTWARE

Solidworks, Keyshot, Rhino, Microsoft Office, Adobe Creative Suite, 123D MAKE, EZCarve, Insight 3D Printing, CURA

HONORS AND AWARDS

IDSA IDEA GOLD Award - Fall 2021

[1st in the student category](#)

- Capstone “The Swell Surf Foot”

Core77 Design Awards - Student Winner - Fall 2021

[1st in the Sports and Recreation student category](#)

- Capstone “The Swell Surf Foot”

Luminarc Competition, ARC International – Fall 2018

Honorable Mention

- Developed a nesting craft beer glass collection

RESNA Student Design Competition – Spring 2018

[Second Place Winner](#)

[Most Likely to Become Commercially Available Award](#)

- Designed a medical device for individuals with Parkinson's disease in collaboration with an Occupational Therapy Student and an Industrial Design student
- Presented at the annual Rehabilitation Engineering and Assistive Technology Society of North America Conference

PMA COLLAB Design Competition – Fall 2018

[Recognized for Design Excellence](#)

- Children's stool displayed in Philadelphia Museum of Art as a winner of the competition

Exploration Through Motion

- Freshman Design One Project gained recognition by several news outlets, including [New Atlas](#), [Make.com](#), [Digital Trends](#), [The Philly Voice](#), The Daily Orange, Discovery News and [Adobe](#).
- Displayed at the [Annual Jefferson Gala](#)

ACTIVITIES

Philadelphia IDSA Chapter

Fall 2019 – Present

- Jefferson Student Chapter Member (2016-2020)
- Attended IDSA 2019 Medical Design Deep Dive in Boston, MA
- Developed skills alongside other professionals in the Philadelphia Region during the annual Mentor/Mentee program

Jefferson Industrial Design Student Ambassador

Spring 2018 – Spring 2020

- Established relationships between Jefferson University and regional high schools
- Delivered presentations to high school classes on Industrial Design

Jefferson University Varsity Cross Country and Track

2016 – 2020

- Scholarship Cross Country and Track long distance runner
- Volunteered with team for various events in local community, including the Philadelphia Marathon.