

TARA JAAF

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LinkedIn: <https://www.linkedin.com/in/tarajaaf/> | Portfolio: <https://tarasportfolio.com>

Deeply passionate about finding health care solutions and addressing clinical needs with the ability to take ideas from a conceptual stage to advanced execution. Experience with design thinking, CAD (Solidworks), manufacturing techniques, software and innovation.

SKILLS

CAD (Solidworks), AutoDesk Fusion 360, C/C# Programming, MATLAB, Python, Swift, Manufacturing and 3D Printing, Welding & Machining, Adobe Suite, Microsoft Excel, and Agile/Scrum Management

EDUCATION

The George Washington University Washington, D.C.

05/2020

Bachelor of Science: Biomedical Engineering (Emphasis on Mechanical Design)

- **Accomplishments:**

- 3.85/4.0 GPA (Summa Cum Laude)
- Tau Beta Pi (Engineering Honors Society)

Korea University Seoul, South Korea

TECHNICAL EXPERIENCE

BrainCool Inc. | Intern

01/2021 - Current

- Take part in entire manufacturing process of medical device from start to finish, including design, assembly, testing, data science software, and working closely with clients in a tight-knit, team-driven start-up environment
- Designed a more intuitive and hospital-staff-friendly medical device component that is currently being used in a new targeted temperature management therapy study in collaboration with University of Maryland Hospital

Asthma Compliance Project | *Wearable Inhaler Creator*

08/2019 - Current

- Prototype, design, and fully develop a wearable, working device using CAD (Solidworks), Arduino Uno, biomaterials testing, welding and machining, mold casting and CNC milling
- Manage relationships with clients to understand users needs while ensuring stakeholders' analysis, properly delivered through research & interviews utilizing Scrum/Agile project management skills

The George Washington University | Researcher

05/2019 – 05/2020

- Independently deconstructed and repurposed a 3-D printer for soft silicon robotics usage utilizing CAD, embedded systems, and electronics knowledge
- Conducted breast duct research to perform bio- mapping, modeling, mechanics and materials testing in partnership with Leftwich, PhD
- Presented various projects at *R&D Showcase (D.C)* and *Biomedical Engineering Day 2019*

OTHER EXPERIENCE

Academic Commons | *Co-Facilitator & Peer Coach*

08/2016 – 05/2020

- Provided guidance to tutoring employees by leading and presenting professional trainings and managing the programs activities

"These Days" | *Radio Show Host*

05/2019 – 05/2020

- Curated a talk/music radio show that broadcasted weekly to several streaming services