



# RIGHTAIR

## Mechanical / Electrical Engineer Job Opportunity

### COMPANY & PRODUCT

Our company is developing a smart, lightweight, and wearable assistive device to help offload the work of breathing for patients with COPD. Currently, even on maximum therapy advanced stage patients with COPD have trouble performing even the simplest tasks ranging from cooking to walking up a flight of stairs. The AIR-AD vest aims to address this critical need in a sleek design that returns patients to tasks of daily living and drastically improves their quality of life as well as overall health.



Wearable

Smart



Lightweight

### POSITION

Our team is looking for both mechanical and electrical engineers that are passionate about the field of bioengineering and assistive devices to further develop our current design and prepare it for full scale manufacturing. The position will involve hands-on prototyping including mechanical design, analog circuit development, software development, and exposure to clinical trials feeding into FDA approval processes.



### WORK STYLE

#### Self Starter

Our team is very fast-paced and each project requires learning and applying new skills independently while tying them back to the overall design

#### Organized

Each team member is given the autonomy to own their projects and trusted to remain well organized to drive their work forward

#### Team Player

Engineers at RightAir have the unique opportunity to work across multiple technical areas and collaborate with their peers to build a complex mechatronics product. This environment requires the ability to work well with others, communicate effectively, and have fun in a team atmosphere.

### TECHNICAL SKILLS

- CAD modeling (Fusion 360, SolidWorks)
- PCB Design (EAGLE)
- C++ / Python Development, Arduino / Raspberry Pi
- Analog Circuit Design and Prototyping
- Data Acquisition Software (LabVIEW, MATLAB, PythonPeripheral Library)
- Product Design
- Machine Shop, 3D printing
- Passion for technology and interest to learn!

### FOUNDING TEAM

Jake Brenner - CMO  
PhD, MD

- Penn Medicine Ass. Professor
- ICU Pulmonologist
- Invented 2 prior medical devices to reach clinical trials - 1 to obtain FDA approval

Marek Swoboda - CEO  
PhD

- Teaching professor at Drexel University
- Previously Director of R&D at NeuroDx
- 25+ years of biomedical engineering and product design experience

Michal Swoboda - CTO  
MS

- Experienced medical device design engineer
- Lead engineer in developing AIR-AD device

ALL APPLICATIONS CAN BE SENT TO  
[CAREERS@RIGHTAIR.IO](mailto:CAREERS@RIGHTAIR.IO)

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