



About:

CirculaTech is a startup spun out of Georgia Tech's Biomedical Innovation and Development Program on a mission to develop a novel chest tube that will provide effective and time-saving removal of excess blood following cardiac procedures to reduce Retained Blood Syndrome (RBS) associated complications. Chest tubes are used in approximately 700,000 cardiothoracic procedures in the U.S. annually and 17% of patients undergoing cardiac surgeries acquire RBS, costing hospitals on average \$9,617 per RBS case. CirculaTech aims to reduce chest tube obstructions leading to RBS, thus impacting the \$1.14B economic burden the U.S. healthcare system faces annually to cover the costs of RBS complications.

Our technology was awarded a patent and a [Small Business Innovation Research \(SBIR\) Phase I Grant](#) to develop our device. We are located in Pembroke Pines, FL at [Engineering Resources Group Inc.](#) and are in search of a bright and enthusiastic engineer to drive R&D progress forwards and be a key contributor of this team. As one of our first hires, your personality will heavily contribute to the culture of CirculaTech as we make progress towards our mission.

Position: R&D Engineer

Compensation:

- Salaried with benefits
- Equity in the company will be strongly considered after employment with the company

Project Roles:

- Contributions to brainstorming and R&D strategy to push device development progress
- Development of a bench-top models and prototypes
- Hands-on prototyping using machine shop tools (lathe/mill/bandsaw) and 3D printing
- Customer discovery research - interfacing with surgeons to gain feedback on design inputs
- Contributions to device intellectual property
- Working with medical device quality control systems
- Collaboration with vendors for outsourced materials/supplies

Qualifications:

- Completion of a BS or MS in a engineering/science related discipline
- Enthusiasm towards tackling engineering challenges
- Willingness to get out of their comfort zone to take on new challenges
- Self-starter and can learn new skills on their own
- Application of the scientific method to R&D activities
- Interest in working in a startup environment

Nice to have qualifications:

- Wet-laboratory skills (pipetting/sterile technique/lab-notebook management)
- Solidworks design/CAD
- Arduino programming/prototyping
- Experience with previous design projects

If you are interested in being a key-founding employee in a budding medical device company please contact Jake Pistiner at teamcirculatech@gmail.com with your resume.