

# SUMMER INTERNSHIP ANNOUNCEMENT

## PLASMA-BASED RESPIRATORY PROTECTION

### TAZA AYA, LLC

**Summary:** [Taza Aya LLC](#), an Ann Arbor, Michigan based startup company, is seeking summer intern(s) to help with the development of a plasma-based air sterilization technology. With support from Johnson & Johnson Innovation and the Biomedical Advanced Research and Development Agency (BARDA) of the U.S. Dept. of Health and Human Services (HHS), the team at Taza Aya is fabricating a proprietary, miniaturized non-thermal plasma module for air sterilization, which will ultimately serve as the basis for a [wearable respiratory protective device](#) that can be used as a less obstructive alternative to N95/KN95 masks.

**Requirements:** Graduate or upper-level undergraduate standing in mechanical, chemical, electrical, or plasma engineering. Completed coursework in any or all of the following subjects: thermodynamics, fluid mechanics, multiphase flow phenomena, phase change phenomena, heat and mass transport phenomena, printed circuit board design, power engineering, computer-aided design, and design for manufacturing. Highly valued are candidates with *additional* experience in biology/biomedical engineering, FLUENT or COMSOL Multiphysics platforms, or additive manufacturing, or those who are self-motivated and able to work both collaboratively and independently as needed.

**To apply:** Applications should include a cover letter stating the motivations for applying, a resume or CV including list of completed coursework or courses in progress, list of research presentations and/or publications, and contact information for three references. Applications should be submitted as a single pdf through the [Taza Aya website portal](#). Applications will be accepted until the position is filled.