Biodefense Internship Program (Visualization)

Orion Integrated Biosciences Inc. is a Biodefense Company advancing new analytical and visualization tools for the detection, characterization and mitigation of infectious diseases and the interpretation and contextualization of Big Data for Biodefense. Our activities focus on strengthening national security by supporting the Department of Homeland Security through DHS Centers of Excellence (e.g., the Center of Excellence for Emerging and Zoonotic Animal Diseases, CEEZAD); the US Department of Defense; and U.S. Customs and Border Protection - CBP. The mission of Orion Integrated Biosciences Inc. includes the establishment of a Biodefense Internship Program for computer scientists and software engineers in order to strengthen the next generation workforce in the areas national security.

Program Details
- 10-week paid program: June – August 2018
- Project focused on advanced visualization of multidimensional datasets
- Project will be conducted at student’s home university during the internship
- Two-day travel to Manhattan, KS to present data at conclusion of internship
- Travel and living stipend available

Eligibility Requirements
- US citizenship
- Be formally admitted or have an application in process as a full-time student (graduate or undergraduate)
- Pursuing, or have obtained a bachelor’s degree in Computer Science or a related technical discipline, or the equivalent combination of education, technical training, or work/military experience
- Cumulative GPA of 3.3 or higher

Preferred Technical Experience
- Strong proficiency with Java, JavaScript based frameworks including D3, HTML 5 ThreeJS visualization framework
- Experience with reports, dashboards and tempo-spatial graphics
- Proficiency with Python
- Experience with representations of maps and geospatial data manipulation
- Experience with the development of WebApps to create, run, and display Big Data analytics
- Capable of integrating and testing secure operating system environments
- Proficient in the development of mobile applications
- Proficient in the development of reports and dashboards

Interested Applicants Send CV and Cover Letter anytime but before May 22, 2018 to:

Ms. Stephanie Hober at shober@vet.k-state.edu cc Willy.Valdivia@orionbio.com
CEEZAD, 1800 Kimball Ave., Ste. 130, Manhattan, KS 66502