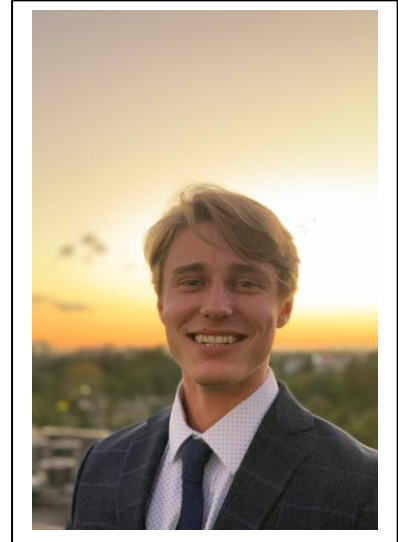


Alexander Armstrong
Biomedical Engineering
Innovation Fellows Program - University of Florida
Herbert Wertheim College of Engineering/Warrington College of Business

Alexander is a senior biomedical engineering student in the J. Crayton Pruitt Family Department of Biomedical Engineering at the University of Florida. He plans to graduate in the Spring 2023 semester with a biomaterials certificate. Following graduation, Alexander intends to pursue a PhD in biomaterials and tissue engineering, with the hope to one day develop a research and design company in the field of regenerative medicine.



Growing up in Seminole, Florida, Alexander was incredibly active, competing in gymnastics, football, baseball, and soccer. At the age of 8, Alexander began to play soccer and baseball exclusively, and after a few years of bouncing between the sports, settled on soccer as his main sport. In the 8th grade, Alexander was awarded the 2014 St. Petersburg Mayor's Youth Showcase of Achievements Award for best student-athlete. In high school, Alexander was enrolled in the International Baccalaureate (IB) at Largo High School, while also competing in competitive soccer for Tampa Bay United Soccer Club. In the summer following his sophomore year, Alexander and his team became Under 16 United States Youth Soccer (USYS) National Champions. The following year, he and his team would win their region in the USYS National League, and fall short in the finals of the Under 17 USYS National Championship, placing second. After receiving his IB diploma, Alexander furthered his education at the University of Florida.

At the University of Florida, Alexander became actively involved in the UF Men's Soccer Club, balancing academics while traveling for games on the weekend. Through this club, he volunteered with the Keep Alachua County Beautiful organization to address the problem of litter in the Gainesville area. Alexander is also involved in the UF Cuong Nhu Martial Arts club. In 2022, Alexander was awarded the University of Florida Biomedical Engineering Summer Undergraduate Research Award.

Alexander conducts undergraduate research in the Carlos M. Rinaldi-Ramos Lab in the Department of Chemical Engineering and J. Crayton Pruitt Family Department of Biomedical Engineering. There, he works under his PhD student mentor to conduct independent and collaborative research on magnetic particle imaging, having learned a host of valuable research skills. Alexander's research received an undergraduate poster presentation at the 2022 Biomedical Engineering Society Annual Meeting in San Antonio, TX.

Alexander sees the Innovation Fellows Program as an invaluable experience that exposes students to the collaborative efforts modern businesses thrive on.