UMD Computer Science Students Creating Healthcare Software
Student Team Partners with Non-profit Organization, AFFORDABLE

COLLEGE PARK, MARYLAND
Oct 08, 2021

Today, Dr. James Purtilo and seven of his Software Engineering students at the University of Maryland are partnering with AFFORDABLE to help further the nonprofit's mission. This student team is an extension of an ongoing partnership with AFFORDABLE that will create humanitarian software that will assist those in need of financial medical aid. The student team was assembled two weeks ago and are already making great strides in accomplishing their goal. With passions for software development and philanthropy, the students hope their software will help thousands and be utilized beyond their semester of work.

The team is using machine learning and advanced data science techniques to make the product. Data on health applicants will make their machine learning model be effective in connecting applicants to charity organizations. Through these connections, organizations will be able to find the best possible candidates for the health grants that they are providing. The project will be making groundbreaking strides in applying machine learning to the healthcare sector that has previously not been explored before.

About AFFORDABLE Healthcare: AFFORDABLE is a nonprofit organization that is committed to creating easier access to healthcare. By streamlining the tedious financial aid application process, AFFORDABLE hopes to make it easier for individuals to connect with charity organizations. AFFORDABLE is pioneering an all-inclusive network from individuals to their community. A simple application will allow for users to quickly enter their information and be connected to resources that will grant them access to aid as well as other benefits. AFFORDABLE was created by Alex Campbell, a medical student at Ohio State University, and Sean Panella, an options trading systems developer for Susquehanna International Group and University of Maryland graduate.

About Team:
Professor: *Dr. James Purtilo*
Students: *AJ Giza, Yishan Zhao, Melvin Molina, Jason Zhong, Andy Lee, Nick Mauro, Jesse Oh*

###