

Experience

Protein Database Analyzer

JAVA program

- Created a program that recreates a protein by each individual molecule and differentiates voids from cavities through a discretization algorithm
- Voids are spaces that are not taken up by a molecule and cavities are empty spaces completely enclosed by molecules. The algorithm to identify the two types of empty spaces analyzed the protein by layers, storing each molecule according to the layer
- The program manages a large amount of data from the massive amount of molecules in a protein which required efficient algorithms to create the solution

Webmaster

Web and Mobile App Development Club at Virginia Tech

- Volunteered learning a new skill to contribute to the club, and have further interest in mobile application development
- Designing and maintaining the website for the WMAD club using GitHub to help promote the club

Hospitality Chair

Filipino American Student Association (FASA) Officer

- Required excellent communication skills to make all members feel included and increase participation in the organization
- Coordinated with other officer members to create events, meetings, and a culture show throughout the year

Computer Science Classes

CS 2114 Data Structures and Software Design

CS 2104 Introduction to Problem Solving

CS 1114 Intro to Java

Technical Skills

Computer Languages: JAVA, MATLAB, HTML, CSS

Microsoft Office: Word, PowerPoint, Excel

Adobe: After Effects, Photoshop, Premiere, Illustrator

Other: Android Studio, AutoCAD, Inventor

Education

Virginia Polytechnic Institute and State University, Blacksburg, VA

B.S., Computer Science (expected 2018)

GPA 3.01