

## EDUCATION

### Johns Hopkins University

*Bachelor of Science*

Majors: Computer Science and Applied Mathematics & Statistics

Minors: Robotics and Computer Integrated Surgery

GPA: 3.54/4.0

Graduate Year: 2024

Coursework

Data Structures, Discrete Mathematics, Intermediate Programming, Introduction to R, Computer Science Fundamentals, Linear Algebra, Differential Equations, and Full-stack Javascript

Baltimore, MD

May 2024

## RELATED EXPERIENCE

### DELINEO MODELING PROJECT

*Team Leader*

Baltimore, MD

January 2021 - Present

- Instructed a small team of 6 undergraduate students by training, supervising, and supporting in assigned tasks
- Entrusted with working on a Unity simulation with a team of 3 people and also in charge of developing the front-facing website
- Supported Student Leader in matters regarding presenting Delineo in research conferences to educate the public on matters relating to pandemics
- Supported Delineo in adding the project to Microsoft's Covid UI Dashboard and CDC models
- Managed a code base and created projects with a variety of languages and technologies (JS, C#, and Python, Docker)

### HOPMC - HOPKINS MINECRAFT ORGANIZATION AND CLUB

*Head Developer*

Cypress, TX

June 2020 - Present

- Constructed and maintained a variety of plugins for a Minecraft server and 300+ person club
- Managed a variety of file sharing systems and VMs as well as online servers for 24 hour runtime
- Devised monthly events for player base to engage with the server and club

### HOPHACKS

*Team Member - COVIDTracker2020*

Baltimore, MD

Summer 2020

- Organized and supervised a team of four and created a competition grade website in 24 hours
- Competed and assembled a project by gathering various APIs, Google Cloud Platform, and Wordpress in 24 hours

### ST. MARY AND ARCHANGEL MICHEAL ORTHODOX CHURCH

*Frontend Developer*

Houston, TX

Summer 2022

- Designed an dynamic website from the ground-up for a congregation of 1000(+) members.
- Assembled project with modern technologies such as: React JS, Databases (Firebase), and SQL

## PROJECTS

### TRAFFIC SIMULATOR

*Python*

Summer 2020

- Produced a custom real-life traffic simulation with a team of 2, tracking and recording possible vehicle paths for the purposes of future development with machine learning
- Tested and Displayed a interactive visual of the data computed by the simulation for use of education and analysis for future machine learning focused development

### DISCORD QUIZ BOWL BOT

*Python*

Spring 2020

- Led team of 2 to implement an automated testing program for students in Science Bowl clubs in Cypress, Texas
- Maintained and updated a custom solution developed for the purposes of testing on Discord with multiple possible future paths for scalability

### SPEECH RECOGNITION AND ENCRYPTION

*Python, Google Cloud Services*

Fall 2019

- Designed and implemented encryption and decryption software over 1-week
- Programmed morse code and various 3 input sources - allowing for more general deployment

## SKILLS

- Skills: File Systems, Python, R, C, C++, Java, JavaScript, Servers (building and maintaining), Research, content creation, Photoshop, Excel, Premiere Pro, Unity, Word, Visual Studio Pro, Eclipse, CAD, Docker, GitHub, Azure DevOps