

Garret Woods Kern  
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## EDUCATION

Brown University, Class of 2021  
GPA: 3.87  
Major: Computer Science

## EXPERIENCE

Data Science Intern, National Institutes of Health Summer 2016, 2018

- Created a subsampling tool to perform a variety of operations on large scale genomic datasets with Python
- Visualized norovirus and swine flu outbreaks with R
- Analyzed global spatial patterns of drug-resistant influenza using bayesian likelihood phylogenies, first author on resulting paper

## COMPETITIONS

Regeneron Science Talent Search Semifinalist Spring 2017

- Placed in internationally recognized high school research competition for my paper: A Global Analysis of Oseltamivir Resistant H1N1 Pandemic Influenza

CyberPatriot IX Winter 2017

- Organized a team and placed 5th in the Maryland Gold Round in the National Youth Cyber Education program created by the Air Force Association

CyberSkyline Metropolis Spring 2015, 2016

- Organized a team and competed in University of Maryland cybersecurity competition

## SKILLS

### Programming Languages

Java

Python

Javascript

R

C

HTML/CSS

SQL

Lisp

### Applications

Git

Maven

Node.js

Electron.js

## COURSES

Software Engineering	Computer Systems	Artificial Intelligence
Discrete Math	Linear Algebra	Operating Systems
Computer Network Security	Comp-Bio Algorithms	Designing Modern Web Apps
Policy and Cybersecurity		

## LEADERSHIP

Wilderness First Aid Certified Summer 2018

- Completed a National Outdoor Leadership school course

International Partners Volunteer in El Salvador Summer 2014, 2015

- Performed manual labor building a preschool complete with electricity and running water in El Aceituno, in rural El Salvador

AP Computer Science Tutor Fall 2015

- Developed classroom modules for an AP computer science teacher and tutored struggling students