

# Nishant Jha

Computer Scientist with a background in the natural sciences

US Citizen  
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## EXPERIENCE

### Broad Institute, Cambridge — *Software Engineer*

AUGUST 2019 - PRESENT

Working on the Cancer Dependency Map, identifying biomarkers of genetic vulnerabilities and drug sensitivities in hundreds of cancer models.

### Capital One, Richmond — *Data Engineer*

AUGUST 2018 - AUGUST 2019

Built out database management toolchain with **Python**. Used **scikit learn** to build in ML healthchecks to data pipeline frameworks

### Sheffield Lab, UVa. Med. School — *Scientific Programmer*

JUNE 2017 - SEPTEMBER 2017

Conducted research at the interface of computation and biology. Applied data science techniques to biological questions in cancer, epigenetics, development, and genomics.

## PROJECTS

### Project Hermes — Co-Founder

An **iOS** and **Node** Web app with a **Firebase** backend. It allows patients to complete their physical therapy regimens from the comfort of their home.

### AllergenGuru — *Indoor Biotechnologies* — Creator

Developed an **Android** and **iOS** app with a **Python** backend that provides scientists with information about purified allergens, allergen standards, and assays. The app interfaces with the WHO allergen database.

## EDUCATION

### University of Virginia, MCS — *Computer Science*

AUGUST 2017 - MAY 2018

Coursework focused on Security/Privacy/Theory of Machine Learning

### University of Virginia, BA — *Computer Science*

AUGUST 2014 - JUNE 2017

Coursework emphasized Computer, Physical, and Life Sciences.

## SKILLS

**Python, Node, Swift, Go, AWS, GCP**

## COURSEWORK

Defense Against the Dark Arts  
Mobile App Development  
Computer Architecture  
Machine Learning  
Database Systems  
Interface Design  
Biostatistics  
Biochemistry  
Organic Chemistry

## AWARDS

Innovation Award - awarded to the top 5% of UVA. students

Echols Scholar - awarded to the top 5% of UVA. students.

International Symposium on Molecular Allergology -  
Top Poster Presentation

## PUBLICATIONS

Virginia Journal of Bioethics

[Strange Loops](#)

[NishantJha.org](http://NishantJha.org)

[The Control Problem](#)

[Book Review: Crazy Rich Asians](#)