

Nishant Jha

Computer Scientist with a background in the natural sciences

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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 - won
Capital One hackathon with
OCR/ML card recommender
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
[The Control Problem](#)
[Book Review: Crazy Rich Asians](#)

