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