

Nishant Jha

Computer Scientist with a background in the natural sciences

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US Citizen

EDUCATION

University of Virginia, MCS — *Computer Science*

AUGUST 2017 - MAY 2018

Focused on the analysis and implementation of information processes in software and hardware.

University of Virginia, BA — *Computer Science*

AUGUST 2014 - JUNE 2017

Major GPA: 3.8

Coursework emphasized Computer, Physical, and Life Sciences.

PROJECTS

The App for Allergens — *Indoor Biotechnologies* — Creator

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

Google Calendar Command Line Interface — Creator

Developed **Java** CLI that interacts with Google APIs to replicate the calendar functionality of the deprecated Google CL application. Once the user is authenticated, they can view and add items to their agenda.

Project Fission — Creator

Created a website generator written in **Bash**, **C++**, and **Python** that enables UVa students to take advantage of free web hosting and create their own websites.

EXPERIENCE

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.

Parsons-Bauer Lab, UVa Med. School — *Research Assistant*

OCTOBER 2014 - OCTOBER 2016

Learned data manipulation, bench techniques, and basic surgical techniques. Cultured, implanted, and investigated human-derived pancreatic cancer cells.

SKILLS

C/C++, **Python**, **Java**
R, **Swift**

Research Design

Science Writing

Social Media Automation

COURSEWORK

Defense Against the Dark Arts

Mobile App Development

Computer Architecture

Machine Learning

Cyber-Physical Systems

Interface Design

Biostatistics

Biochemistry

Organic Chemistry

AWARDS

Echols Scholar - awarded to the top 8% of UVa. students.

Dean's List

**Rensselaer Polytechnic
Institute Math and Science
Award**

**International Symposium on
Molecular Allergology -
Poster Presentation**

PUBLICATIONS

Virginia Journal of Bioethics -
Strange Loops