

Nishant Jha

Computer Scientist with a background in the natural sciences

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US Citizen

EDUCATION

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

AUGUST 2017 - MAY 2018 (MCS) | AUGUST 2014 - JUNE 2017 (BA)

Major GPA: 3.8 (Undergrad)

Focused on the analysis and implementation of information processes in software and hardware. Undergrad coursework emphasized Physical, Social, and Life Sciences.

PROJECTS

The App for Allergens — *Indoor Biotechnologies* — Creator

Created app that provides up to date information about purified allergens. It also provides users with information about Indoor Biotechnologies products: purified allergens, allergen standards, and assays. The app interfaces with the WHO allergen database.

Google Calendar Command Line Interface — Creator

Created CLI that interacts with Google APIs to replicate the calendar functionality of the deprecated Google CL application. Once the user is authenticated, it allows them to both view and add items to their agenda and to-do list.

EXPERIENCE

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

SUMMER 2017 - PRESENT

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

Kaplan Test Prep, Graham Holdings Co.— *MCAT Instructor*

MARCH 2017 - PRESENT

Taught pre-med students the content and strategies necessary for the MCAT. Learned how to engage and instruct diverse groups of people respectfully.

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

Mobile App Development

Virus Defense

Interface Design

Algorithms

Biostatistics

Biochemistry

Organic Chemistry

AWARDS

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

**Rensselaer Polytechnic
Institute Math and Science
Award**

National AP Scholar

PUBLICATIONS

Strange Loops - Virginia

Journal of Bioethics

The Control Problem

LANGUAGES

English, Spanish, Hindi

SCORES

MCAT: 518

SAT : 2310