Nishant Jha

Computer Scientist with a background in the natural sciences

106 Montebello Cir. #7
Charlottesville, VA, 22903
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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

Designed and developed an Android app that provides up to date 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.

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.

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

ISMA 2017 - Oral Presenter

PUBLICATIONS

Virginia Journal of Bioethics - Strange Loops

SCORES

MCAT: 518 (97th percentile)