

# Vikram Aikat

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## Education

### University of North Carolina at Chapel Hill (UNC-CH)

2016-Present

Honors College and Morehead-Cain Scholar (Full-Ride Merit) - <http://www.moreheadcain.org/>

National Merit Scholar and National AP Scholar

Computer Science (B.S.) & Quantitative Biology (B.S.), Chemistry Minor

Graduation: May 2020

GPA: 3.93/4.00

### North Carolina School of Science and Mathematics – Durham, North Carolina 27707

2014-2016

Highly competitive publicly funded boarding school – <http://www.ncssm.edu>

GPA: 5.66/4.00 (weighted)

## Professional Experience

### Directly

San Francisco, California

Data Science and Data Engineering Intern

June 2018-August 2018

- Used Natural Language Processes combined with Regular Expression Heuristics to build a preprocessor for supervised learning classifiers based on enterprise-fed question sets.
- Worked mostly in Python using libraries such as: spaCy, tensorflow, sklearn, nltk, pandas

### Wu Lab Group

Chapel Hill, North Carolina

Student Researcher at Materials Science and NMR Spectroscopy Lab

October 2016-Present

- Under the supervision of distinguished professor Dr. Yue Wu, studied the adsorption and desorption process of water and water-alcohol solutions in the presence of carbon micropores, specifically looking into environmental and medical applications of this interaction.

### Foundation for the International Medical Relief of Children

Alajuelita, Costa Rica

Volunteer Healthcare Intern with Project Alajuelita

June 2016-July 2016

- Spent eight weeks working in a free medical clinic in Alajuelita, Costa Rica. Primary functions were shadowing the physician or psychologist, running the pharmacy, taking patient vitals and organizing public health education and advocacy events. Worked entirely in Spanish, through living with a local Costa Rican family, as well as working in the clinic, with patients and staff.

## Leadership

### Undergraduate Teaching Assistant for COMP426: Modern Web Programming

August 2018-Present

- Lead student office hours on front and back end web development.

### Co-Director for the Carolina Data Challenge (CDC)

January 2018-Present

- Run the school's premier Data Science hackathon, looking to increase awareness and technical skill of all students on campus. Work with professors, corporate partners, and students to run the event.

### Director of Technology for Carolina Creates

May 2017-Present

- Carolina Creates functions as the school's incubator, helping to promote and support student groups across campus. Currently lead a team of fellow computer science peers to advise and work with tech related startups on campus.

### Project Lead for Carolina Analytics and Data Science Club (CADS)

Dec 2016 – Present

- Co-taught local high school students useful mathematical and computational modelling skills so that they can compete and create useful real world models. Taught students how to use both analytical and computational approaches to modelling their work, and then writing mathematical papers demonstrating the usefulness of their work.

## Honors, Skills and Interests

### True Ventures

San Francisco, California

True Entrepreneurship Corp Fellow

June 2018-August 2018

- Selected from a highly competitive pool of entrepreneurial minded undergraduates.
- Under the guidance of True Venture Partners and their portfolio company founders, completed series of professional development events, speaker series and community activities.

### Outward Bound Leadership Program

North Cascades National Park

Graduate

June 2016 – July 2016

- Graduated from a 21-day leadership and mountaineering course in Washington.

**Strong Expertise:** Python | Java | JavaScript | jQuery | HTML | CSS | Data Analysis | Research

**Working Knowledge:** PHP | MySQL | RESTful Interfaces | Relational Databases | R | C | UNIX

**Interests:** Tennis | Basketball | Music | Gig Economy | Entrepreneurship |