

# Taha Shaikh

shaikh.taha.v@gmail.com | +1 (804) 528-9318 | 5613 Olde Hartley Way, Richmond VA 23060  
<https://t-aha.github.io>

## Education

### Virginia Polytechnic Institute and State University

Aug. 2019 - current

- Freshman Year Student in the Calhoun Discovery Program pursuing Computer Science

### Maggie L. Walker Governor's School for Government and International Studies

Sep. 2015 - Jun. 2019

- Senior Year Student pursuing Advanced Placement and Dual-Enrollment Courses

### Virginia Commonwealth University

2016 - 2019

- Completed 7 Dual-Enrollment Courses, including Advanced Math Modeling, Multivariable Calculus, Linear Algebra, and Mathematical Reasoning

### American College of Musicians

May 2017 - current

- International Member (*National Piano Playing Auditions*)
- National Member (*National Piano Playing Auditions*)
- Pursuing Advanced Bach Plaque [of 16 nationally in 2018]

## Honors and Awards:

- Exhibition in 2019 International Bridges Math Art Conference
- Consortium of Mathematics and its Applications [International Finalist]
- National Guild of Piano Teachers - High School Diploma [of 72 nationally]

## Skills

**Programming:** Wolfram Mathematica, MATLAB, Python, Microsoft Excel macros, Unix/Linux, HTML/CSS

- Github: <https://github.com/t-aha>

**Audio Engineering:** Linux Multimedia Studio, Audacity

- YouTube Channel: <https://goo.gl/5S2HM6>

**Graphic Design:** Blender, GNU Image Manipulation Program, Marmoset Hexels

## Activities

**Clubs & Organizations:** Engineers Without Borders, Acoustical Society of America, Bhangra

## Experiences

### Innsbrook Foundation

2013 - current

Data Analyst, Volunteer, Graphic Designer; Glen Allen, VA

- **Designed and created "Innsbrook Events" App** for Innsbrook Foundation enabling the foundation to connect to more than 200,000 members of the community
- Analyzed data regarding concert attendance to assist the foundation using statistical models

### Internship at Yayasan Mendaki School in Singapore

July 2018

Data Analyst

- Attended paid internship at Mendaki, a non-profit organization whose mission is to empower the bottom 30% of Singapore through quality education
- Provided statistical analyses and mathematical models to best allocate school resources and funds

### Consortium for Mathematics and its Applications (COMAP)

2017 - current

- Selected as finalist in International COMAP MCM (The Mathematical Contest in Modeling)
- Created mathematical models using Wolfram Mathematica for applications in energy consumption and state infrastructure

### STEAMtrix

Aug. 2016 - Aug. 2017

Assistant Robotics Teacher and Volunteer; Richmond, VA

- Developed programs for minority youth involvement in STEM and arts fields
- Helped to develop a week-long intensive program at the Boys and Girls Club of Richmond, VA