

Taha Shaikh

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Education

Maggie L. Walker Governor's School for Government and International Studies **June 2019-current**

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

Thomas Nelson Community College **June 2018**

Earned college credit in GOL 195 through Virginia Earth System Science Scholars Summer Academy

American College of Musicians **May 2017-current**

High School Diploma in Social Music (of 165 nationally)

High School Beethoven Diploma (of 100 nationally)

Currently pursuing Bach Advanced Plaque

Honors and Awards: International Piano Guild Award, National Piano Guild Award, French Honor Society

Skills

Programming: Wolfram Mathematica, 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>

Design: Blender, GNU Image Manipulation Program

Activities

School clubs: President of Programming Club, Captain of Bhangra Team, President of Club Asia, Jazz band

Outside organizations: National Honor Society, National French Honor Society, National Music Honor Society

Experience

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
- Aided in the setup and execution of several Innsbrook community activities and events
- Created presentations and reports for administration

NiiD Technologies**2017 - current**Junior Programmer, Graphic Designer; *Pune, India*

- Instrumental in designing of apps including Innsbrook Events and Visibly
- Worked with NiiD to create Innsbrook Events App and current RideSafe project
- Created flowcharts, presentations of App layouts and functionality
- Designed user interfaces and icons via GIMP and Blender

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

Virginia Earth System Science Scholars (VESSS)**Sep. 2017 - current**

- Enrolled in an interactive science, technology, engineering and mathematics program in collaboration with Thomas Nelson Community College
- Invited to attend seven-day residential academy at NASA Langley Research Center in Hampton, Virginia

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

RAAH International LLC (HQ Singapore)**Summer 2017**Logistics Assistant; *Richmond, VA*

- Responsible for inventory management and consolidating shipments

Freelance Web Design**March 2016 - current**Web designer, Programmer, Graphic Designer; *Richmond, VA*

- Designed and developed website for Salon Tas

Kerning Cultures**Nov. 2015 - Feb. 2016**Audio engineer and composer; *Dubai, United Arab Emirates*

- Wrote and mastered music for Kerning Cultures, an international non-profit podcast based in the Middle East that works to dissect the complex narratives of the Middle Eastern region

Wolfram High School Summer Camp**Jun. 2017 - Jul. 2017**

- Used Mathematica to learn Wolfram Language programming skills and higher math through projects and lectures
- Selected to attend an intensive 12-day program geared toward advanced science, technology, and mathematics topics

United States Naval Academy (USNA) Summer STEM Camp**Jun. 2017**

- Selected to attend world-class, STEM-focused summer camp hosted by the United States Naval Academy in Annapolis, Maryland
- Worked with students from around the nation to improve problem-solving, creativity, and collaboration skills

MathScience Innovation Center (MSiC)**Sep. 2015 - April 2016**

Assistant Mentor; Richmond, VA

- Assistant mentor at the MSiC for programs focused on youth interest in STEM research
- Aided in the development of programs dedicated to encouraging youth participation in STEM fields

FIRST Robotics**2007 - current**

- Participated in all FIRST Robotics competitions since 2008; including Junior FLL, FIRST Lego League, and FIRST Robotics Competition
- State Winner at FIRST Robotics (2008, 2009, 2011, 2012, 2013)
- National participant at FIRST Robotics Challenge (2016)

Certified Volunteer for Community Emergency Response Team (CERT)**Sep. 2014 - Dec. 2014**

- Completed four month long training program
- Learned basic first aid and medical procedures

Richmond MENSA Member**March 2014 - current**

- Active member of Richmond MENSA
- Participated in educational and outreach activities