Taha SHAIKH

Looking to leverage skills in math modeling, programming, and data visualization in finance.

CONTACT INFORMATION

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EDUCATION

MAY 2023   Bachelor's of Science Degree in MACHINE LEARNING & MATHEMATICS
            Calhoun Scholar & Honors graduating in 2023, **Virginia Tech**, Blacksburg
            Full merit scholarship, emphasis on transdisciplinary learning

JUNE 2019   Dual Enrollment Courses at **Virginia Commonwealth University**
            Completed 7 dual-enrollment courses for college credit, including
            Multivariable Calculus, Linear Algebra and Mathematical Reasoning

WORK EXPERIENCE

MAY 2021 - AUG 2021 | ISR Cloud Engineer Intern at MITRE
                    | Developed a decentralized data storage and cloud computing service for the NGA using an Ethereum blockchain network hosted on AWS outposts.

SEP 2020 - MAY 2021 | Workforce Development Program Research Student at MITRE
                    | Collaborated with MITRE and the Hume Center at Virginia Tech to design maritime remote sensing and machine learning applications for Naval and Central Intelligence.

MAY 2020 - AUG 2020 | Data Engineer at ITHENA, Innsbrook
                    | Analyzed thermal camera data to prevent the spread of COVID-19 in an office setting and created visualizations for contact tracing. Developed communication protocols for IoT devices using MQTT.

JUL 2015 - SEP 2019 | Data Analyst and App Developer at INNSBROOK FOUNDATION, Glen Allen
                    | 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.

JUN 2018 - AUG 2018 | Summer Intern at YAYASAN MENDAKI, Singapore
                    | 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.

References available upon request.

COMPUTER SKILLS

Basic Knowledge: C++, MatLab, Java, HTML, Swift, LaTeX
Advanced Knowledge: Wolfram Mathematica, Python, Unix-like systems, LMMS, Microsoft Excel

SCHOLARSHIPS AND AWARDS

AUG 2019   Calhoun Discovery Program Scholarship (full tuition + $10,000 learning grant)
MAY 2019   National Piano Guild Advanced Bach Award (of 16 nationally)
APR 2019   Exhibition in International Bridges Math-Art Conference
MAR 2019   International Finalist in COMAP Mathematical Contest in Modeling

INTERESTS AND ACTIVITIES

Programming, Cryptoeconomics, Machine Learning, Algorithmic Trading
Audio Production, Piano Performance, Hiking, Bhangra