Simon Xiang

CONTACT INFORMATION
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ABOUT
Freshman mathematics major at UT Austin with a focus in pure math, aspiring to go to graduate school for mathematics. U. S. Citizen.

EDUCATION
University of Texas at Austin, Austin, Texas USA

B.S., Mathematics, expected May 2024

Texas Academy of Mathematics and Science, Denton, Texas USA

TAMS, May 2020

ACADEMIC EXPERIENCE
University of Texas at Austin, Austin, Texas USA

Undergraduate Student   **August 2020 - present**

- Took a graduate algebraic topology course as a freshman. Currently enrolled in graduate differential topology and Riemannian geometry.
- Undergraduate courses taken include differential geometry (current), complex analysis, and differential equations. More information on coursework can be found here: www.simonxiang.xyz/math
- Active participant in the math club.
- Currently studying de Rham cohomology and characteristic classes in DRP (Directed Reading Program), a program where you study a specific topic in depth, mentored by a graduate student.

University of North Texas, Denton, Texas USA

TAMS Student   **August 2018 - May 2020**
Completed 62 credit hours of coursework in residence at UNT. Relevant courses taken include:

- Calculus 2, Multivariable Calculus, Linear Algebra (2018-2019)
- Real Analysis, Discrete Math (self-study, Summer 2019)
- Abstract Algebra, Real Analysis II (Fall 2019)
- Topology, Abstract Algebra II (Spring 2020)

Qualified for the NAQT quiz bowl national championship (HSNCT) in both Spring 2019 and 2020.

Math Tutor   **August 2019 - May 2020**
Volunteered several hours peer week to tutor fellow TAMS students in higher level math courses, including multivariable calculus, linear algebra, and real analysis.

COMPUTER SKILLS
- Languages: LaTeX, HTML and CSS, Unix shell scripts. Familiar with C and C++.
- Operating Systems: Arch Linux (home system), Ubuntu/Debian (server).
- System administration: Currently hosting a git server, mail server, and personal website on a VPS running Debian 10.
- LaTeX: Live-TeXes notes in Vim for math classes and hosts them on personal website.
- Linux: Set up home system on Arch Linux with dwm, running mostly terminal based programs, all free and open source.

PERSONAL HOBBIES
- Ran the Galveston marathon in Februrary 2020, aiming to complete a triathlon in 2021.
- Semi-fluent in Japanese (self-study, estimated B2 proficiency) and Chinese (spoken at home).
- Created a minimal personal website (www.simonxiang.xyz) with a blog on various topics.