

MICHELLE HO

46 Hayfield Lane, Holden, MA • 774-364-2822 • michelleho24@outlook.com

<http://users.wpi.edu/~mtho/> • www.linkedin.com/in/mtho • US Citizen

EDUCATION

PRINCETON UNIVERSITY, PRINCETON, NJ (AUGUST 2019- JUNE 2023)

Pursuing a B.S.E. degree in Mechanical and Aerospace Engineering: currently taking applied engineering physics (mechanics) & multivariable calculus, advanced chemistry, and first year writing seminar

MASSACHUSETTS ACADEMY OF MATH AND SCIENCE, WORCESTER, MA (2017-19)

An advanced two-year secondary school at Worcester Polytechnic Institute (WPI); 11th grade coursework in math modeling, physics, engineering, research, technical writing, computer science, and humanities; 12th grade coursework from the WPI undergraduate curriculum

WACHUSETT REGIONAL HIGH SCHOOL, HOLDEN, MA (2015-17)

A public high school, including 9th and 10th grade coursework in honors physics, biology, geometry, pre-calculus, English, French, and U.S. history.

WORK EXPERIENCE

- Office assistant in the Office of the Provost at WPI (May 20 - Aug. 16, 2019)
- Camp counselor for Mass Academy's Math Quest middle school math camp (August 2019)

HONORS AND AWARDS

- HiMCM 2017 Math Modeling Challenge Meritorious Award
- Top 7% (Silver Medal) in Grand Concours National French Test 2017
- Member of Mass Academy National Honor Society and French National Honor Society
- Advanced to the second round of M3 Mathworks Math Modeling Challenge 2018

EXTRACURRICULAR ACTIVITIES

- Co-student leader of E-nable: 3D printing hands for children with limited hand mobility (2017-19)
- Chief of Awards & robot operator of FRC Team 190 (2017-19)
- Member of Crushers Softball 18U team (2014-19)
- Volunteer for Why Me Sherry's House (2017-18), assisting children with cancer
- Studied violin privately since 2007, Wachusett Honors Chamber Orchestra concert master (2016-17), WPI orchestra (2017-19)
- Attended WPI SPaCE NASA-funded aerospace program (2018)
- Math Team Vice President (2017)
- Member of School Council (2017-19)
- Counselor for middle school computer camp (2018)
- Tutored middle schoolers and underclassmen in math and science research projects (2017)
- Princeton Rocketry Club, high-powered rockets (2019-present)
- Princeton Robotics Club, building BB-8 droid (2019-present)

RESEARCH EXPERIENCE

- Independently researched the Effect of Sound Velocity on Sound Intensity in Violins (2015-16)
- Independently researched the Effect of Calcium Carbonate on Chlorella Growth (2016-17)
- Created a mobile application to facilitate communication between pet owners to assist in pet locating (2017-18)
- Developed a mobile application that can break long term tasks into small work periods to decrease procrastination in students (2018)
- Created an assistive headset for a client with one hand to work at a reception desk without an assistant (2018)

SKILLS

- Experience in Java, HTML, CSS, Eclipse, Android Studio, Firebase, Audacity, OneSignal, Microsoft Word, PowerPoint, Excel, & Windows 10
- Experience with machines: mills, drills, bandsaws, lathes, laser cutters, & 3D printers
- Filing, typing, answering calls, oral communication, other general office duties