

Iria Wang

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📍 Waltham, MA, USA

Education

Westford Academy, Westford, MA

June 2018

- High School Diploma with High Honors, National Honors Society, Tri-M Music Honors Society

Brandeis University, Waltham, MA

Expected May 2022

- Bachelor of Sciences in Physics, Bachelor of Arts in Computer Science, Minor in Mathematics
- Honors: Brandeis Justice Scholarship, Dean's List

Experience

Physics Department, Brandeis University, Waltham, MA

August 2019-Present

Undergraduate Physics Lab Teacher's Assistant

- Lectured and assisted in introductory mechanics lab sections, and graded exams

Skunkworks, Brandeis University, Waltham, MA

August 2019-Present

VR Campus Tour Project Member

- Implemented precipitation in Unity to simulate weather in a VR environment

Codestellation Hackathon, Brandeis University, Waltham, MA

November 2018, 2019

Hacker

- Won best hardware hack in both 2018 and 2019
- Created an educational toy with an Arduino that moves when problems are answered in 2018
- Built a device with a Raspberry Pi for the visually impaired that uses tactile cues and Google Maps APIs to navigate the user in 2019

YesWeDo, Jiaxiang Foreign Language School, Chengdu, China

August 2017

Summer Program Teacher's Assistant

- Lectured about my experiences as a Chinese American and practiced English with the students to provide exposure to American culture and language

Research Experience

The Sciolla Lab, Brandeis University, Waltham, MA

October 2019-Present

Undergraduate Researcher for the LHC

- Analyzed Truth and Reco events with Monte Carlo simulations in the LHC, using Root and C++
- Funded by the Schiff Undergraduate Fellowship Program

The Sciolla Lab, Brookhaven National Laboratory, Upton, NY

May 2019-August 2019

Undergraduate Researcher for the Atlas Inner Tracker (ITk) at the Large Hadron Collider (LHC)

- Developed Python and LabVIEW programs to optimize Pattern Matching in the survey of the ITk
- Wrote a portion of the main assembly program, which provides immediate feedback from the survey during the assembly process
- Funded by Provost's Undergraduate Research Fund

Activities

Society for Asian Scientists and Engineers: Professional Chair

September 2018-Present

Brandeis University Wind Ensemble: Second Flute

August 2019-Present

Westford Academy Marching Band: Drum Major, Flute Section Leader

August 2015- November 2018

Westford Chamber Players: Co-Founder, Flute and Piano Player

August 2014-May 2018

Skills

Programming Languages: Java, Python, LabVIEW

Languages: English, Conversational Chinese, Intermediate Japanese