

KIMBERLY DING

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EDUCATION

Princeton University

Expected June 2021

- Prospective Bachelor of Science in Engineering degree in Computer Science; 4.000 GPA
- Relevant coursework: Probability and Stochastic Systems; Advanced Vector Calculus; Linear Algebra with Applications; Algorithms and Data Structures; Introduction to Programming Systems; Fundamentals of Statistics

West Windsor-Plainsboro High School North

Class of 2017

- Valedictorian in class of 345; 4.90 weighted GPA; 2370 SAT
- Relevant coursework: Honors Analysis in a Single Variable; Numbers, Equations, and Proofs; Advanced Topics in Computer Science; AP Computer Science

WORK EXPERIENCE

Princeton University, Research Assistant

June 2018 - Present

- Implement recently-researched machine learning algorithms in Python
- Test algorithms on real and simulated datasets and analyze performance

Princeton University Career Services, Peer Career Adviser

January 2018 - Present

- Guide students on their career paths by providing advice and reviewing documents
- Organize and advertise career-related events

Art of Problem Solving, Grader

April 2017 – March 2018

- Provide detailed, step-by-step feedback on homework problems to aspiring mathematicians

West Windsor Public Library Kids' Chess Club, Instructor

August 2014 – August 2016

- Provided instruction to beginning- and intermediate-level chess players

PROJECTS

HackPrinceton Spring 2018

March 2018

- Used HTML, CSS, JavaScript, and Herokuapp to design and deploy a personal website

HackPrinceton Fall 2017

November 2017

- Wrote a reminder app for iOS in Swift

New Jersey Governor's School of Engineering & Technology

July 2016

- Developed a 3D-printable prosthetic hand, modeling each component in SOLIDWORKS
- Collaborated on a research paper and presented project at research symposium

EXTRACURRICULAR ACTIVITIES

Princeton University Mathematics Club, Treasurer

February 2018 – Present

Society of Women Engineers, Member

September 2017 – Present

Asian American Students Association, Member

September 2017 – Present

AWARDS

2017 NCWIT Award for Aspirations in Computing: New Jersey Affiliate Honorable Mention

2016 Math Prize for Girls: Honorable Mention

2016 Math Prize for Girls Olympiad: Bronze Medal

Woman FIDE (World Chess Federation) Master

National Merit Finalist

National AP Scholar

SKILLS

Programming languages: Java, C, Python, R, HTML, CSS, JavaScript

Software: Microsoft Office, Google Docs/Sheets/Slides, SOLIDWORKS

Miscellaneous: LaTeX, chess, extremely fast typing (150 WPM)