KIMBERLY DING

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EDUCATION

Princeton University   Expected June 2021
Prospective Bachelor of Science in Engineering in Computer Science   **GPA:** 4.00
Relevant coursework: Algorithms and Data Structures, Functional Programming, Reasoning about Computation, Probability and Stochastic Systems, Linear Algebra with Applications, Numerical Methods, Honors Analysis

SKILLS

Programming: Python, C, Java, OCaml, R, MATLAB, HTML, CSS, JavaScript, LaTeX
Software: Microsoft Office, Google Docs/Sheets/Slides

EXPERIENCE

Princeton University Department of Mathematics, *Undergraduate Course Assistant*   September 2018 – Present
- Grade weekly homework assignments and provide detailed feedback

BAM.money, *Software & Web Developer*   June 2018 – October 2018
- Write programs to recognize and process financial data
- Develop company's web application, improving user interface and integrating scripts

Princeton University Department of Computer Science, *Research Assistant*   June 2018 – August 2018
- Developed and implemented machine learning algorithms in Python
- Tested algorithms on real and simulated datasets and analyzed performance

Art of Problem Solving, *Grader*   April 2017 – March 2018
- Provided detailed 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

LEADERSHIP

HackPrinceton, *Organizer*   September 2018 - Present
- Coordinate hackathon attended by over 600 people

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

Princeton University Mathematics Club, *Treasurer*   February 2018 – Present
- Monitor club funds, create reports, and approve financial transactions
- Communicate with university administration to ensure funding is received

PROJECTS

Memory.py   September 2018
- Coded a Unix-executable memory game in Python

Ayybot   September 2018
- Coded a Discord bot that ran on a private channel
- Wrote a function for the bot that enabled users to send each other compliments

dingkimberly.com   March 2018
- Used HTML, CSS, JavaScript, and Herokuapp to design and deploy a personal website

Rutgers Robohand   July 2016
- Developed a 3D-printable prosthetic hand, modeling each component in SOLIDWORKS
- Collaborated on a research paper and presented project at research symposium

AWARDS

Shapiro Prize for Academic Excellence from Princeton University
Honorable Mention at the Math Prize for Girls; **Bronze Medal** at the Math Prize for Girls Olympiad
Woman FIDE Master, title awarded by the World Chess Federation
National Merit Finalist