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, Probability and Stochastic Systems, Linear Algebra with Applications, Numerical Methods, Honors Analysis.

SKILLS

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

WORK EXPERIENCE

BAM.money, *Software & Web Developer* June 2018 - Present
- 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

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