Kaitlin Hsu
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EDUCATION

Stanford University **Stanford, CA**
Bachelor of Science in Computer Science, English *Expected June 2022*
Relevant Coursework:
> Linear Algebra, Multivariable Calculus, and Modern Applications; Applied Matrix Theory;
> Programming Abstractions in C++; Mathematical Foundations of Computing
> By Summer 2020: Computer Organization Systems; Product Management for Electrical Engineers and
> Computer Scientists; Representations and Algorithms for Computational Molecular Biology

The Harker School **San Jose, CA**
GPA: 4.4/4.0 *May 2018*
- Editor-in-Chief of CSPA Gold Crown and NSPA Pacemaker-winning newspaper (top 15%)

COMPUTER SCIENCE EXPERIENCE

Stanford Residential and Dining Enterprises **Stanford, CA**
New Undergraduate Housing Coordinator *Summer 2019*
- Pitched and piloted new software for roomating, implementing Gale-Shapley algorithm in Python
- Organized the placement of over 1700 freshman and transfer students into housing on campus for the class of 2023, including matching roommates for all students
- Demonstrated ability to work autonomously and set goals in order to complete large scale projects
- Handled confidential and highly sensitive information, managing high profile students and parents
- Collaborated with multiple departments on campus to ensure the correct placement of students

Pachter Lab, California Institute of Technology **Pasadena, CA**
Project Kallisto Intern *Summer 2017 - Present*
- Expanded the scope of existing C++ software to align RNA reads at near-optimal speeds in microbes as well as mammals, generalized further to distinguish between different kinds of RNA
- Implemented Smith-Waterman, Needleman-Wunsch, expectation-maximization, and Hirschberg's algorithm in Python

LEADERSHIP AND CO-CURRICULAR ACTIVITIES

Stanford Student Space Initiative **Stanford, CA**
Biology Team Co-Lead & Marketing Lead *2018 - Present*
- Leads team of 20 people in the creation of an autonomous DNA synthesizer for microgravity and the development of novel enzymatic DNA synthesis methods
- Designed 100 shirts, 20 business cards, and an annual magazine while managing social media presence

Stanford Women in Computer Science **Stanford, CA**
Industry Events Intern *2018 - Present*
- Spearheading annual sponsorship dinner with speakers from industry interested in gender and technology
- Find sponsors and catering for general organization events, design flyers, send follow-up surveys and maintain communication with attendees

SKILLS & INTERESTS
- Graphic Development: HTML/CSS, Javascript, p5.js, Node.js, Adobe Creative Cloud
- Languages: C++, Java, Python, R, Mandarin Chinese, Japanese (business)