Fanghui He

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EDUCATION

Smith College, Northampton, MA   09/2017 - B.A expected 05/2021
- **Major:** Economics & Computer Science
- **GPA:**3.86/4.0
- **Relevant Courses:** Intermediate micro/macroeconomics, International Finance, Data Structure, Theory of Computation, Advanced Programming Technique, Discrete Mathematics

Shenzhen Foreign Language School (SFLS), Senior High School, Shenzhen, China   09/2014 - 07/2017
- **GPA**: 4.26/4.3; **New SAT:** 1480
- **Honors**:
  Principal's List Honor & Teacher's List Honor   2014 - 2016
- **Award**:
  Excellent Grade Award, SFLS   2014
  Well-Rounded Student, SFLS   2014 - 2015 & 2015- 2016

ACADEMICEXPERIENCE

SPECIAL STUDY: HANDWRITING RECOGNITION   02/2018-present
Research Assistant, Instructor: Professor Nicholas Howe, Smith College, Northampton, MA
- Work in small groups, and use MATLAB tools to develop ground truth data for training character recognition systems.
- Develop tools and procedures for this task. The project provides training in independent problem solving, as well as experience with research methods and practices.

HACKAMHERST, Amherst College   03/2018
- Designed a website for five colleges' dining system which displayed all dishes in 5 colleges' dining halls.
- Students among five colleges can comment about dishes from all five schools, rate their favorite, and give feedback to the dining system.

INTERNATIONAL GENETICALLY ENGINEERED MACHINE COMPETITION   2015-2016
SFLS school team, Experimental Group Member. Cooperated with Beijing Genomics Institute (BGI)
- Designed a "weakened" antigenic determinate helper, which has weaker antibody interactions
- Searched for and analyze genetics and protein engineering using the National Center for Biotechnology Information (NCBI)
- Won Nomination Prize for the Best Poster as a group, and awarded Silver Award, High School Group of the Year 2015

ADDITIONAL EXPERIENCE

GOOGLE FOOBAR CHALLENGE   04/2018
- Got invitation to the Google foobar challenge

HOUSE COUNCIL, HSEC (House Social Event Coordinator), Smith College   09/2017 - present
- Designed Halloween party and Spring Break party

MEDIA CENTER, Post-Production, SFLS   09/2015 – 05/2017
- Post-processed school promotional program series, including video clipping, subtitle editing, and BGM insertion
- Post-processed a video used to recruit new members for media center

INTERESTS &SKILLS

Computer: Java, Python, Microsoft Offices, SAI   **Interests:** Drawing, Tai Chi
Language: Chinese, English