

Fanghui He

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Campus Address: 1 Chapin Way, Box 7661 Northampton, MA, 01063

EDUCATION

Massachusetts Institute of Technology, Special Student Program, Cambridge, MA 09/2018 – expected 01/2019

- **Department:** Electrical Engineering and Computer Science
- **Expected Courses:** Financial Markets and the Macroeconomy, Artificial Intelligence, Introduction to Algorithms, Introduction to Machine Learning

Smith College, Northampton, MA

09/2017 - B.A expected 05/2021

- **Major:** Economics & Computer Science
- **Honor:** Dean's list of 2017-2018
- **GPA:**3.93/4.0; **New SAT:** 1480; **TOEFL:**110
- **Relevant Courses:** Intermediate Microeconomics, Intermediate Macroeconomics, International Finance, Programming of Data Structure, Theory of Computation, Advanced Programming Technique, Discrete Mathematics

ACADEMIC EXPERIENCE

INTERN DATA ANALYST, MORNINGSTAR, Shenzhen, Guangdong, China

06/2018 –08/2018

- Collected fund data and hot news in the financial industry
- Wrote code to facilitate data collection and management, improving working efficiency

SPECIAL STUDY: HANDWRITING RECOGNITION

02/2018-05/2018

Research Assistant, Instructor: Professor Nicholas Howe, Smith College, Northampton, MA

- Worked in a group, using MATLAB tools to develop ground truth data for training character recognition systems
- Independently developed codes and procedures to solve problems and process data

HACKAMHERST, Amherst College, Amherst, MA

03/2018

- Worked in a group, designed a website for five colleges' dining system
- Scrape dish information and displayed dish information of 5 colleges on the website

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 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

- Invited to the Google Foobar Challenge

HOUSE COUNCIL, House Social Event Coordinator (HSEC), Smith College

09/2017 – 05/2018

- Designed Halloween party and Spring Break party with other HSECs

INTERESTS &SKILLS

Computer: Python, Java, Excel, SAI

Language: Chinese (mother language), English

WEBSITES

Github: [fanghuihe.github.io](https://github.com/fanghuihe)

LinkedIn: <https://www.linkedin.com/in/fanghui-he-2911ab155/>