

# Fanghui He

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

## EDUCATION

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**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
- **Relevant Courses:** Intermediate Microeconomics, Intermediate Macroeconomics, International Finance, Programming of Data Structure, Theory of Computation, Advanced Programming Technique, Discrete Mathematics

**Massachusetts Institute of Technology (Study Away), Cambridge, MA**

expected 09/2018 – expected 01/2019

- **Department:** Electrical Engineering and Computer Science
- **Expected Courses:** Introduction to Probability I, Introduction to Probability II, Artificial Intelligence, Introduction to Algorithms, Introduction to Machine Learning

**Shenzhen Foreign Language School, Senior High School, Shenzhen, China**

09/2014 - 07/2017

- **GPA:** 4.26/4.3; **New SAT:** 1480; **TOEFL:** 110
- **Honors:** Principal's List & Teacher's List (2014 – 2016)

## ACADEMIC EXPERIENCE

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**INTERN DATA ANALYST, MORNINGSTAR, Shenzhen, Guangdong, China**

06/2018 – expected 08/2018

- Work in Managed Investment Data Group
- Collect fund data, assessing fund reports and check fund performance
- Write code to facilitate data collection and management, improving work 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

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**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 HSEC

## INTERESTS & SKILLS

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**Computer:** Java, Python, Excel, SAI

**Language:** Chinese (mother language), English