Fanghui He

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EDUCATION

Massachusetts Institute of Technology, Special Student Program, Cambridge, MA   09/2018 - expected 12/2018
- **Department**: Electrical Engineering and Computer Science
- **Expected Courses**: Artificial Intelligence, Introduction to Algorithms, Introduction to Machine Learning, Introduction to Probability, Financial Markets and the Macroeconomy

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, Data Structure, Theory of Computation, Advanced Programming Technique, Discrete Mathematics

ACADEMIC EXPERIENCE

DATA ANALYST, INTERNSHIP, MORNINGSTAR, Shenzhen, Guangdong, China   06/2018 - 08/2018
- Collected fund data, hot news, and new regulations in the financial industry from newspapers, China Securities Regulatory Commission website, and IGNITES
- Wrote python code to facilitate fund data managing, searching, and checking, 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
- Developed MATLAB codes to process images of handwriting text

INTERNATIONAL GENETICALLY ENGINEERED MACHINE COMPETITION   09/2015 - 05/2016

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 2015

PROJECTS

DATA COLLECTION AND MANAGEMENT, internship at Morningstar, Guangdong, China   06/2018
- Wrote python codes to check data correctness and modify Excel workbooks, as well as collecting data

MAJOR PATHWAY, Smith College, Northampton, MA   03/2018
- Designed a pixel game using python Graphics to simulate the academic pathway of a Smith Computer Science Student

HACKAMHERST, Amherst College, Amherst, MA   03/2018
- Designed a website for five colleges' dining system which can scrape and display dishes information using python

CODE PIECES
- Wechat Chat Robot, using Tulin application program interface   08/2018
- Google Foobar Challenge   04/2018

ADDITIONAL EXPERIENCE

WUMING THEATER CLUB, club member and stage crew, MIT   09/2018 - expected 12/2018
- Work in the lighting effect group of the club's fall drama, *Mr Donkey*

HOUSE COUNCIL, House Social Event Coordinator (HSEC), Smith College   09/2017 - 05/2018
- Designed Halloween party and Spring Break party with other HSECs

SKILLS

- **Computer:** Python, Java, Excel, SAI   **Language:** Chinese (mother language), English