

Fanghui He

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Campus Address: 1 Chapin Way, Smith College, Unit 7661, Northampton, MA, 01063

EDUCATION

Massachusetts Institute of Technology, Special Student Program, Cambridge, MA 09/2018 - 12/2018

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

Smith College, Bachelor of Arts, Northampton, MA 09/2017 - expected 05/2021

- **Major:** Economics / Computer Science
- **Honors:** Dean's list of 2017-2018
- **GPA:** 3.93/4.0
- **Courses:** Intro to Econometrics, Intermediate Microeconomics, Intermediate Macroeconomics, International Finance, Data Structure, Theory of Computation, Advanced Programming Technique, Computer Science Principles, Database System, Discrete Mathematics, Linear Algebra

ACADEMIC EXPERIENCE

GOOGLE ENGINEERING PRACTICUM PROGRAM, Mountain View, CA expected 05/2019 - 08/2019

- Will join Google production team and work in the infrastructure that cooperates with Google server

RESEARCH ASSISTANT, NATURAL LANGUAGE PROCESSING 02/2019 - current

Instructor: Jamie Macbeth, Smith College, Northampton, MA

- Use LISP to examine the effectiveness of the conceptual dependency
- Map verbs to primitives and develop computer representation of scripts

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

PROJECTS

GOOGLE J-TRM ANDROID WORKSHOP 01/2019

- Applied data structures knowledge and learn how to program for Android, building several android games.

CODE PIECES

- Wrote Connect Four and Text Adventure in C 03/2019
- Wrote Wechat Chat Robot, using Turing Robot application program interface 08/2018
- Designed a pixel game in PYTHON to simulate the academic pathway of a Smith CS Student 03/2018

ADDITIONAL EXPERIENCE

CHINESE STUDENT ASSOCIATION, Smith College 02/2018 - current

- Hold China related panels (e.g. panel about Dr. He's gene editing kids and LGBTQ rights in Taiwan region)
- Work as association treasurer and manage the funding of the association

WUMING THEATER CLUB, Club Member, MIT 09/2018 - 12/2018

- Worked as the lighting operator and back stage crew in the club's fall drama, *Mr Donkey*

SKILLS

- **Computer:** PYTHON, JAVA, C, STATA, EXCEL, SAI
- **Language:** Chinese, English