

# Fanghui He

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

## EDUCATION

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

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

**Smith College, Bachelor of Arts**, Northampton, MA 09/2017 - expected 01/2021

- **Major:** Economics / Computer Science
- **Honors:** Dean's list of 2017-2018
- **GPA:** 3.96/4.0
- **Programming Language:** PYTHON, JAVA, C, HTML, TYPESCRIPT (beginner)
- **Language:** Chinese, English
- **Courses:** Data Structure, Theory of Computation, Advanced Programming Technique, Computer Science Principles, Database System, Linear Algebra, Discrete Mathematics, Programming Methodology (next fall), Software Engineering (next fall)

## ACADEMIC EXPERIENCE

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

- Collaborate with a partner to write an internal UI serving as a baseline for ads testing
- Leverage Modulesets Serving, Protocol Buffer, Apps Framework, and Http Server to fetch and serve testing result
- Write a design document for the project and solidify the detailed implementation

**INTERDISCIPLINARY CONTEST IN MODELING (ICM)** 04/2019

- Won Meritorious Winner prize as a group of three members

**RESEARCH ASSISTANT, NATURAL LANGUAGE PROCESSING** 02/2019 - 05/2019

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

**GOOGLE J-TRM ANDROID WORKSHOP** 01/2019

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

**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

## SMALL PROJECTS

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

## ADDITIONAL EXPERIENCE

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**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 the 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*