

# HUAYU CHEN

2# Zijing Student Apartment ◇ Tsinghua University ◇ Beijing 100084 P.R.China  
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## EDUCATION

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**Tsinghua University**, Beijing, China

*Aug, 2017 - Jul, 2021 (expected)*

- \* **Bachelor** of Engineering in Automation (expected)
- \* GPA: **3.87/4.0**, Ranking: **3/166**
- \* **Vice President** of Student Association of Science and Technology, Dept. of Automation

### Core Courses

- \* **Mathematics:** Calculus (4.0/4.0 for both semesters), Linear Algebra (4.0/4.0 for both semesters), Stochastic Mathematical Methods (4.0/4.0), Introduction to Complex Analysis (4.0/4.0), etc.
- \* **Programming:** Computer Languages and Programming (4.0/4.0), C++ Program Design and Training (4.0/4.0), Data Structure and Algorithms (4.0/4.0), Computer Principles and Applications (4.0/4.0), etc.

## SCHOLARSHIPS & AWARDS

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**2019 China National Scholarship** (Highest scholarship given by the government of China, < 0.2%, expected)

**2019 Champion** of the International Design Contest (IDC ROBOCON 2019, MIT)

**2019 Tsinghua Spark Program Membership** (Top student program in the field of academic research in Tsinghua University, 37/3600)

**2018 Captain of the champion team** in the 20<sup>th</sup> Electronic Design Competition (Highest level competition for undergraduates in Tsinghua University in the field of Electronic Engineering)

**2018 1st Prize** in the 35<sup>th</sup> China Regional College Students Physics Competition (< 0.5%)

**2018 129 Scholarship** (Highest honor for students in the Dept. of Automation, 2/600)

**2017 Captain of the champion team** in the 1<sup>st</sup> Artificial Intelligence Challenge

**2016 1st Prize** in the 33<sup>rd</sup> National Physics Olympiad (Henan Province)

## PUBLICATIONS & MANUSCRIPTS

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[1] **Huayu Chen\***, Zerong Zheng\*, Yebin Liu. A Video-based Virtual Try-on System for Non-rigid Clothing. To be submitted.

## RESEARCH EXPERIENCE

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Tsinghua University, Beijing, China

*Oct, 2018 - May, 2019*

*Broadband Network Digital Media Lab, Department of Automation*

Research Assistant, Advisor: **Associate Prof. Yebin Liu**

**Project: A Video-based Virtual Try-on System for Non-rigid Clothing**

- Propose a video-based virtual try-on system for non-rigid(half-rigid) clothing.
- Leverage both reconstructed 3d human model representations and a learned deep refinement network to synthesis (near) video-realistic try-on results.
- First attempt to try adding dynamic details to clothes in virtual try-on systems using a generative adversarial network.

Tsinghua University, Beijing, China

*June, 2019* - present

*Intelligent Vision Group, Department of Automation*

Research Assistant, Advisor: **Associate Prof. Jiwen Lu**

**Currently working in the area of Network Architecture Search (NAS) based on evolutionary algorithm(EA) and reinforcement learning (RL).**

## TECHNICAL SKILLS

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**Basic Knowledge & Tools**

Python, MATLAB, C/C++, Tensorflow, Linux, FPGA, L<sup>A</sup>T<sub>E</sub>X