



Yihang Yin

STUDENT OF SCHOOL OF COMPUTER SCIENCE AND ENGINEERING, BEIHANG UNIVERSITY

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Education

Beihang University

B.S. in Computer Science and Technology

- **GPA: 3.72/4.00, Rank: 22/222**

Beijing, China

Sep. 2016 - July. 2020

University of Toronto

International Exchange Student in Electrical and Computer Engineering

- **Full Scholarship** for Exchange Student by China Scholarship Council.

Toronto, Canada

Sep 1st. 2018 - Jan 1st, 2019

Projects & Publications

Bullet3 Physics Simulator (4500 Stars on GitHub)

Contributor

GitHub

Dec. 2018

- Implemented an efficient inverse kinematics algorithm for humanoid 3D motion capture data processing. And build the Bullet3 support for Human3.6M motion capture dataset. [**Project Page**] (GitHub ID: Somedaywilldo)

Genetic expression profile-based screening of genes and pathways associated with papillary thyroid carcinoma

Oncology Letters (SCI Impact Factor : 1.871)

Spandidos Publications

Aug. 2018

- Shubin Li, **Yihang Yin**, Hong Yu [**Paper Page**]

Experience

Research, Microsoft Research Asia

Full-time Research Intern in Network and Graphics Group

Beijing, China

Apr. 2019 - PRESENT

- Graphics. Developing algorithm for the transformations between point cloud representation and mesh representation.

Research, University of Toronto

International Exchange Student, Advisor: Prof. Sanja Fidler

Toronto, Canada

Sep. 2018 - Jan. 2019

- Graphics. Developing pipelines for processing massive humanoid 3D motion capture data. Contributed a efficient inverse kinematics algorithm implementation to Bullet3 Physics Simulator, a very popular open-sourced tool for researchers in computer graphics. Under the instruction of Prof. Sanja Fidler, Department of Computer Science, University of Toronto.

Research, Tsinghua University

Research Intern, Advisor: Prof. Xiaolin Hu

Beijing, China

Jul. 2018 - Jan. 2019

- Computer Music Composition. Implementing composing and accompaniment rules for automatic music generation and refinement. Under the supervision of Prof. Xiaolin Hu, Department of Computer Science and Technology, Tsinghua University.

Research, China Academy of Science

Science and Education Innovation Program

Beijing, China

Jan. 2018 - Sep. 2018

- **Project:** Collecting and analyzing massive point of interest(POI) data of China's major cities, utilizing data visualization to build a geographic information system for statistics and annotation. Aimed at helping with designing smart-city.

Research, Beijing Guang'anmen Hospital

Research Intern

Beijing, China

Feb. 2018 - Aug. 2018

- **Publication:** Genetic expression profile-based screening of genes and pathways associated with papillary thyroid carcinoma, Published on Oncology Letters (SCI Impact Factor : 1.871). Analyzing genetic and protein interactions data, aimed at filtering out the key genes in papillary thyroid carcinoma. Under the supervision of Doctor Shubin Li and Researcher Hong Yu, see Publications.

Honors & Awards

Jul. 2018	OUTSTANDING WIN , Microsoft Student Practice Program (10 out of 119) (News Link)	<i>Microsoft Research Asia, Beijing, China</i>
Nov. 2018	Excellent Student Scholarship , Beihang University (Top 5%)	<i>Beijing, China</i>
Nov. 2017	Excellent Student Scholarship , Beihang University (Top 5%)	<i>Beijing, China</i>
Nov. 2016	Excellent Student Scholarship , Beihang University (Top 5%)	<i>Beijing, China</i>
Oct. 2016	Ranked 1.42% , among 6426 participants, in the 9th Certified Software Professional(CSP) organized by China Computer Federation(CCF).	<i>Beijing, China</i>
Nov. 2015	First Prize , National Olympiad in Informatics. (Top 1%)	<i>Jilin, China</i>
Nov. 2014	First Prize , National Olympiad in Informatics. (Top 1%)	<i>Jilin, China</i>

Skills

Programming	Python, C/C++, JAVA, R, MATLAB, Mathematica, Assembly, Verilog, LaTeX
Web	Ruby on Rails, Jekyll, HTML5, CSS, JavaScript
Languages	English(TOEFL:104, GRE:325+AW3.5), Chinese
Talent	Piano, Guitar and Painting

Extracurricular Activity

Beihang University Microsoft Student Club

Vice President

- Vice President of Beihang University Microsoft Student Club funded by Microsoft Research Asia.

Beijing, China
Sep. 2017 - PRESENT