

Knight-Hennessy Scholars
Stanford University

Application Preview

Please note that this application preview is for your records only. Do not send this document by mail as your application.

Name:	Zheng Hong (Zheng Hong) Lieu	Year of Entry:	2020
Email:	lieuzhenghong@gmail.com	Date Submitted:	10/10/2019

Personal Background

Contact Information

Mailing Address	Permanent Address	
Merton College, Merton Street Oxford, England OX14JD United Kingdom	Block 144, Petir Road, #01-242 Singapore, North West 670144 Singapore	
Valid From	Valid Until	Primary Phone
		+44 7552 910928

Biographical Information

Gender	Birthdate	Birthplace
Male	08/02/1996	Singapore, North West, Singapore
Primary Citizenship	Secondary Citizenship	
Singapore		U.S. Permanent Resident
U.S. Military or Veteran Status	Race/Ethnicity	

Notes

Spoken Languages

English	Fluent - native or bilingual proficiency
Chinese	Fluent - native or bilingual proficiency
Malay	Some Instruction - elementary proficiency

Undergraduate Funding Sources

Employment	
Family	
Loans	
Scholarships/Grants	100%

Family Background

Parents/Guardians

1	Relationship	Name	Living?
	Father	Chun Ji Lieu	Yes
	Occupation/Title, Employer	Highest Level of Education Completed	
	Self-employed	College degree	
College (Degree & Year)		Graduate School (Degree & Year)	
National University of Singapore (BEng 1989)			

2	Relationship	Name	Living?
	Mother	May Lee Lai	Yes
	Occupation/Title, Employer	Highest Level of Education Completed	
	Tour guide, Winland Travel	No college	
College (Degree & Year)		Graduate School (Degree & Year)	

3	Relationship	Name	Living?
	Occupation/Title, Employer	Highest Level of Education Completed	
College (Degree & Year)		Graduate School (Degree & Year)	

4	Relationship	Name	Living?
	Occupation/Title, Employer	Highest Level of Education Completed	
College (Degree & Year)		Graduate School (Degree & Year)	

Spouse/Partner

Relationship	Name

Applying to Stanford?	Degree Program

Children

<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
------------------------------	--	--

Graduate Degree Program

Degree Program Selection

Select below whether you will pursue one or two graduate degree programs at Stanford, using the below guidelines.

One graduate degree program	<ul style="list-style-type: none">You are applying to one program.You already have been admitted to one program.You are applying to the Biosciences PhD programs only.You are applying to either the Medical Scientist Training Program (MD/PhD) or the Berg Scholars Program (MD/MS), and you are not currently enrolled in the MD program.
Two graduate degree programs	<ul style="list-style-type: none">You are applying to a joint- or dual-degree program.You already have been admitted to a joint- or dual-degree program.You already have been admitted to one program, and you are applying to another program to pursue concurrently.You are an enrolled Stanford graduate student applying to add a new program.

- ☒ I will pursue one graduate degree program at Stanford.
- ☐ I will pursue two graduate degree programs at Stanford.

Degree Program 1	Admission Status	Entry Term
Statistics (MS)	Applying	Autumn 2020
Degree Program 2	Admission Status	Entry Term

PhD Applicants Only

Academic Interests

Briefly describe your PhD research interests.

List up to three Stanford faculty members whose research interests best align with yours and who could serve as potential research advisors.

Faculty Member 1	Faculty Member 2	Faculty Member 3

Academic History

Undergraduate/Graduate Study

1	Institution		Location	
	University of Oxford		Oxford, United Kingdom	
	Level of Study	Dates Attended	Degree	Degree Date
	Undergraduate	10/2017 - 06/2020	Bachelor of Arts	06/2020
	Major	GPA	GPA Scale	Class Rank
	Philosophy, Politics and Economics			
2	Institution		Location	
	Level of Study	Dates Attended	Degree	Degree Date
	Major	GPA	GPA Scale	Class Rank
3	Institution		Location	
	Level of Study	Dates Attended	Degree	Degree Date
	Major	GPA	GPA Scale	Class Rank
4	Institution		Location	
	Level of Study	Dates Attended	Degree	Degree Date
	Major	GPA	GPA Scale	Class Rank
5	Institution		Location	
	Level of Study	Dates Attended	Degree	Degree Date
	Major	GPA	GPA Scale	Class Rank

Secondary School/High School

School Name	Location	Dates Attended
Hwa Chong Institution	Singapore, Singapore	01/2009 - 12/2013



Academic Transcript for:

Zheng Hong Lieu (DoB: 02/08/1996)
BA Philosophy, Politics and Economics

October 2017	Matriculation
February 2018	Fowler Prize (college prize for internal examinations)
May 2018	Fowler Prize (college prize for internal examinations)
	Fowler Prize (college prize for internal examinations)
June 2018	Q-Step First Year Political Essay Prize
July 2018	Preliminary Examination in Philosophy, Politics and Economics
	Introductory Economics 52
	Introduction to Philosophy 73
	Introduction to the Theory and Practice of Politics 69
	Result: Pass
July 2018	Sam McNaughton Prize for Best Performance in PPE Prelims
October 2018	Promoted to Exhibitioner (minor college scholarship)
February 2019	Fowler prize (college prize for internal examinations)
June 2019	Fowler prize (college prize for internal examinations)
September 2019	Raff Prize for the best second year performance in Economics

Dr Katy Fifield, Academic Registrar Merton College, Merton Street, Oxford, OX1 4JD
 Tel: +44 (0)1865 276329 Fax: +44 (0)1865 286500
 Email: katy.fifield@merton.ox.ac.uk www.merton.ox.ac.uk Registered Charity No. 1139022

June 2020

Final Honours School of Philosophy, Politics and Economics

Exams to be taken in June 2020



Dr Katy Fifield
Academic Registrar
25 September 2019

Work Experience

1

Organization Name

Inzura AI

Sector

Private

Position/Title

Data Scientist

Location

Surrey, United Kingdom

Dates of Employment

07/2019 - 09/2019

Hours/Week

40

Job Type

Internship

Organization's Activities

Inzura sells white-label apps to insurers. Their "Driver Profiler" predicts a driver's accident risk from his driving. This gives insurers information about their customers, increasing their revenue.

Your Responsibilities, Challenges, and Accomplishments

I worked on three R&D projects they didn't have the bandwidth for:
A big client found our app's uptake poor. They gave an ultimatum: triple the active users, or lose the contract. I built a pipeline that sent SMSes and used Bayesian statistics to optimise clickthrough rates. I secured the contract. I developed a deep learning model that speeds up the "Driver Profiler" by over 100x, which opens a new revenue stream by allowing the profiler to be deployed on dashcams.
Last, I set up a Raspberry Pi "supercomputer" cluster and ran distributed data analysis on 85 million data points.

Reason for Leaving

It was an internship, and I needed the rest of my summer to work on my coursework.

2

Organization Name

Infocomm Media Development Authority of Singapore (IMDA)

Sector

Public

Position/Title

Blockchain Developer

Location

Singapore, Singapore

Dates of Employment

06/2018 - 10/2018

Hours/Week

40

Job Type

Internship

Organization's Activities

IMDA is Singapore's technology regulatory body. I worked at the Emerging Technologies Division, which wanted to encourage industry adoption of the blockchain.

Your Responsibilities, Challenges, and Accomplishments

The main question I answered: what blockchain technology should IMDA spearhead, and how to get industry to adopt it?
I wrote and presented a research paper on blockchain, concluding that we should focus on industry-led solutions. In order to explain the blockchain and convince industry leaders to adopt it, I built a diorama that showed how blockchain improves the logistics industry. As the model train moved, the blockchain updated in real-time with the cargo's position. Each cargo container had a QR code which could be scanned to show real-time data. I presented this to the senior director.

Reason for Leaving

Had to start my second year of school.

Work Experience

3

Organization Name

Incomp International

Sector

Private

Position/Title

Freelance software consultant

Location

Singapore, Singapore

Dates of Employment

06/2017 - 08/2017

Hours/Week

40

Job Type

Full-time

Organization's Activities

My client was a civil engineering firm that conducted building inspections. An engineer walks around the building and photographs structural defects, then produces a report summarising his findings.

Your Responsibilities, Challenges, and Accomplishments

I custom-built a bespoke desktop application that streamlined the process of writing building inspection reports. Before I created this application, creating a report was a very time-consuming process, because every photo had to be manually renamed and pasted into the document. I shadowed an engineer to observe his workflow, and interviewed several more to solicit their opinions. Multiple rounds of iteration improved the product.

Real-world data showed that it reduced time taken by up to 85% after the engineers were trained in the tool, saving several hundred engineer-hours per month.

Reason for Leaving

I started my undergraduate degree.

4

Organization Name

iGlobe Partners

Sector

Private

Position/Title

Venture Capital Analyst

Location

Singapore, Singapore

Dates of Employment

01/2017 - 05/2017

Hours/Week

40

Job Type

Internship

Organization's Activities

High-tech venture capital firm that invests only in tech companies. Invested in Unity when it was still Series B.

Your Responsibilities, Challenges, and Accomplishments

As an analyst, I attended investment meetings, did due diligence and market research, and co-wrote papers recommending investment. Senior management accepted both recommendations and made Stage B investments.

I realised that the administrative staff was spending a lot of time copy-pasting emails. So I built a mini "software suite" in Python that makes sending personalised mass emails very simple. The killer feature of this software is sending different attachments to each recipient, which Mail Merge can't do. The software suite saved the staff several hours per week, and is still used today.

Reason for Leaving

The internship duration had elapsed. The software I built in this internship made me want to explore developing custom software for firms that increases their efficiency.

Work Experience

5

Organization Name		Sector	
Singapore Armed Forces		Public	
Position/Title			
Corporal First Class			
Location	Dates of Employment	Hours/Week	Job Type
Singapore, Singapore	02/2015 - 12/2016	80	Full-time
Organization's Activities			
The division of the Armed Forces I was in (HQ Army Medical Services) trains medical officers, field medics, and field surgeons. The division also promulgates medical policy to the rest of the Army.			
Your Responsibilities, Challenges, and Accomplishments			
I was with the Logistics Branch, responsible for provisioning medical and non-medical supplies for training exercises. My daily duties included maintaining weapons in the armoury and loaning out supplies.			
In the course of my duties I realised that much of our time was spent taking inventory and chasing up delinquent loans. The division was holding an annual innovation competition. I built an app that tracked loans and automatically sent reminder SMSes, and persuaded my major to run a pilot test in our branch. It was a success, and won second prize in an annual innovation competition.			
Reason for Leaving			
I completed my two years of compulsory military service, and was eager to go back to school.			

6

Organization Name		Sector	
Position/Title			
Location	Dates of Employment	Hours/Week	Job Type
Organization's Activities			
Your Responsibilities, Challenges, and Accomplishments			
Reason for Leaving			

Activities and Interests

1

Activity or Interest

Teaching programming to underprivileged children

Role(s)

Tutor; later supervisor

Location

Singapore, Singapore

Dates of Participation

04/2016 - 10/2017

Hours/Week

4

Weeks/Year

50

During or After College

Number of Participants

1-10

Why did you get involved?

Enterprising, expensive tuition centers were offering programming lessons to give one's kids a headstart, but only to those who could pay. I wanted to narrow the gap between rich and poor by developing a curriculum that was better than theirs, and teaching it to underprivileged children.

What did you achieve and/or learn?

Four children showed particular promise: I gave them extra coaching for a national hackathon. I was incredibly proud that they won 1st & 3rd out of ~100 teams. I also taught them to build a Raspberry Pi console out of a shoebox---and to code a game of Pong that ran on it---in Python.

2

Activity or Interest

Effective Altruism Fellowship

Role(s)

Participant

Location

Oxford, United Kingdom

Dates of Participation

09/2019 - present

Hours/Week

10

Weeks/Year

8

During or After College

During college

Number of Participants

11-25

Why did you get involved?

I wanted to grapple with some of the key ideas, framings and arguments within EA at a deep level. As a consequentialist, I am very keen on the idea of "doing good optimally", and wanted to think deeply about cause prioritisation, career choice, and improving institutional-decision making.

What did you achieve and/or learn?

I wanted to be a software engineer for the longest time, but going to discussions and career planning sessions made me realise my comparative advantage lay elsewhere. I realise I have enormous leverage working on computational political science where I can bring my domain knowledge to bear.

3

Activity or Interest

Role(s)

Location

Dates of Participation

Hours/Week

Weeks/Year

During or After College

Number of Participants

Why did you get involved?

What did you achieve and/or learn?

Awards and Honors

1	Award or Honor Received	Date Received
	Infocomm Media and Development Authority (IMDA) scholarship	08/2017
	<p>Basis of Selection</p> <p>One single recipient.</p> <p>IMDA, a Singaporean statutory board, awards this full-ride scholarship. There were four rounds of interviews, first with HR and finally with the Chief Executive.</p> <p>They look for academic excellence, demonstrated interest in tech, and a will to serve the nation. There is no hard cap on the number of scholarships awarded of this kind, but I was the only one that year.</p> <p>Why is this award or honor meaningful to you?</p> <p>This is by far the most meaningful award to me. I could not go to Oxford otherwise, as my family could not afford it. Being at Oxford has been a dream come true; I'm very happy to be here. This couldn't have been possible without IMDA and I'm very grateful to them. I chose IMDA because their mandate fits well with my interest in using technology to improve both social cohesion and policymaking.</p>	
2	Award or Honor Received	Date Received
	Q-Step (Quantitative Politics) Essay prize	08/2018
	<p>Basis of Selection</p> <p>One single recipient.</p> <p>This is an annual award awarded to the top quantitative politics essay in the entire Oxford politics cohort (around 300 students). This was a compulsory assignment.</p> <p>Essays were marked centrally. Two professors (including the head professor of quantitative politics at Oxford) judged the best essays and chose a winning entry.</p> <p>Why is this award or honor meaningful to you?</p> <p>I suffered from a real case of imposter syndrome when I matriculated. Everyone seemed to think faster and smarter than I did. I worked very hard on this assignment, reading up on statistics to incorporate material not taught in the course. It was gratifying to have my hard work rewarded. Winning the prize reassured me of my place in Oxford, and sparked my interest in statistics.</p>	
3	Award or Honor Received	Date Received
	Annual Innovation Award + Best Soldier of the Month	08/2017
	<p>Basis of Selection</p> <p>Three recipients for the AIA, one for Best Soldier.</p> <p>The innovation award is given in an annual contest organised by the Medical Service, a 30,000-strong division. The Army judges innovations on their impact; my solution won second prize.</p> <p>The Best Soldier Award (out of ~3000) is given to the soldier who best exemplifies the qualities of the Army; this is judged by the division Colonel.</p> <p>Why is this award or honor meaningful to you?</p> <p>I had originally wanted to be a commander in the army, but had to drop out of cadet school due to a slipped disc. The award is meaningful to me because it made me realise that I could "lead" even from a position of zero authority: I was able to roll out an initiative that improved my branch's functioning, not by top-down fiat as an officer, but from bottom-up as a soldier.</p>	

Zhenghong Lieu

University of Oxford

Oct 2017 – present

B.A. in Philosophy, Politics and Economics (PPE)

- Quantitative Political Essay Prize: for [best essay](#) of politics cohort (~300 students)
- Raff Prize: for best second-year performance in Economics in my college
- Sam McNaughton Prize: for top score in Philosophy in the PPE first-year exams
- Fowler Prize(s): for First-class performance in termly exams, awarded 6/6 terms

Relevant online courses (Coursera/edX)

Computer Science

Algorithms and Data Structures

From NAND to Tetris I & II (computer architecture)

Databases

Data Science

Big Data Analysis with Scala and Spark

Parallel Programming

Deep Learning

Languages and Technologies

Fluent in Python, JavaScript. Familiar with Scala, R, SQL, C++

Keras, Node.js, Electron, Hyperledger, PostgreSQL

Data Scientist (Intern)

Jun 2019 – present

Inzura AI

- Increased monthly active users by > 20% by building customer intervention pipeline in Python and SQL that uses Bayesian statistics to maximise intervention effectiveness
- Built deep learning model with Keras that reduces trip processing time by 100x compared to existing rule-based system
- Deployed distributed Apache Spark infrastructure and performed Big Data analysis with Scala on ~85 million data points

Blockchain Developer (Intern)

Jun 2018 – Aug 2019

Infocomm Media Development Authority of Singapore (IMDA)

Created a [fully-automated blockchain demonstration](#) of supply chain management with:

- Real-time blockchain visualisation using JavaScript and Canvas
- IoT sensor integration to update asset location data on Hyperledger blockchain
- QR-code based asset tracking with Node.js

Software Engineer

Jun 2017 – Aug 2017

Imcomp International

- Greatly increased firm efficiency (75% less time taken to generate reports, 300 engineer hours saved per month) by developing [bespoke building inspection software](#) (Electron, Vue.js, JavaScript)

Venture Capital Analyst (Intern)

Jan 2017 – May 2017

iGlobe Partners

- Co-wrote 2 papers recommending investment; senior management accepted both recommendations and made Stage B investments
- Developed [more powerful version](#) of [Microsoft Mail Merge](#) in Python that automates away 90% of human errors and saves 50% time when sending mass mailers

Python Programming Tutor (Volunteer)

May 2016 – Sep 2017

Ulu Pandan Stars

- Taught a team of underprivileged children Python and led them to win 3rd (amongst ~100 participating teams) in national hackathon CodeXtreme

Soldier (Conscript)

Feb 2015 – Dec 2016

Singapore Armed Forces (SAF), HQ Army Medical Service

Developed the Army's first [item tracker and SMS reminder service](#) with React and Node.js:

- Won second prize in the Army Annual Innovation Competition
- Won Best Soldier of the Month out of ~3000 soldiers

Recommendation Letters

Recommender 1

Name	Organization
Bassel Tarbush	University of Oxford
Position/Title	Relationship
Fellow	Tutor and academic advisor
Email	Phone
bassel.tarbush@economics.ox.ac.uk	+44 1865286294

The information you provide in your application is — after you engage in enrolled attendance as a Stanford student and to the extent it is retained — covered by the Family Educational Rights and Privacy Act of 1974 (FERPA). FERPA also permits students to waive the right of access to letters of reference if you so choose. Waiving your right of access is optional; your decision to waive or decline to waive that right will have no bearing on the handling of your application. Your recommender will be notified of your choice.



I waive my right to access this report.



I do not waive my right to access this report.

Signed by: Lieu Zheng Hong

Recommender 2

Name	Organization
Sergi Pardos-Prado	University of Glasgow
Position/Title	Relationship
Professor	Ex-tutor
Email	Phone
sergi.pardos-prado@glasgow.ac.uk	+44 1413304982

The information you provide in your application is — after you engage in enrolled attendance as a Stanford student and to the extent it is retained — covered by the Family Educational Rights and Privacy Act of 1974 (FERPA). FERPA also permits students to waive the right of access to letters of reference if you so choose. Waiving your right of access is optional; your decision to waive or decline to waive that right will have no bearing on the handling of your application. Your recommender will be notified of your choice.



I waive my right to access this report.



I do not waive my right to access this report.

Signed by: Zheng Hong Lieu

Short Answers

Short Answer 1: What are your immediate and long-term intentions after you graduate from Stanford?

I first want to build my skills as a technologist in industry, learning software engineering and data science best practices. Then, I want to take what I've learned in industry to the Singapore civil service. I want to start an initiative that matches willing teachers with eager learners, building communities of mutual learning; I'll work with IMDA's tech outreach division to realise this idea.

More generally, I want to strengthen our civil society using data and technology; e.g. running randomised controlled trials to find the optimal anti-poverty intervention, or algorithmically drawing electoral districts in a way that maximises social interaction.

Short Answer 2: Please tell us eight improbable facts (things that are unlikely but true) about you.

1

I had to (literally) dig my own grave in the army, then climb into it

2

In a bid to make the perfect tonkotsu ramen, I boiled pigs' trotters for 72 hours straight, and inadvertently discovered a good way to dispose of a body

3

My school banned paper throwing stars after I sold hundreds of them to my schoolmates

4

I went diving before a flight and got the bends

5

My Finnish friends took me on a black diamond the very first time I went skiing; I must have been the first person to roll down the entire slope

6

I cooked 200 portions of Hainanese chicken rice in my dorm kitchen

7

I hitchhiked halfway across the UK while wearing a feather boa

8

I can type 120 words per minute with my eyes closed (really scraping the bottom of the barrel here)

Short Answer 3: Please tell us when you:

Made someone particularly proud of you

I couldn't afford to go to Oxford. The founder of the charity I volunteered at saw my plight and offered to lend me \$150,000. I was immensely grateful, but torn; I dreamed of going, but didn't know if I could pay her back. I made her very proud when I was awarded IMDA's full-ride scholarship; she said she believed I would get it all along.

Were most challenged

I was crying in pain on the last leg of the final 24km route march. An electric pain shot up my leg with every step. My platoon mates kept asking "what's wrong?"---but I had no idea.

Did not meet expectations

It was a slipped disc; I had to drop out from command school. I expected to become a commander like my peers, but my body failed me. Nonetheless, I resolved to do my best, and was awarded Corporal First Class, the highest enlistee rank in the SAF.

Essay 1

Connect the dots. How have the influences in your life shaped you?

Ten years ago the Great Recession ruined my father's fledgling business. At one point, we couldn't pay my monthly bus fare (S\$50), and the bus driver openly mocked my mother, leaving her in tears. I was too young to do anything, but old enough to feel ashamed and helpless.

Things got better. My mother found some work. I did well in my examinations, and went to a top school where I was given the best education despite my family's circumstances. I received a full-ride government scholarship without which I could not have gone to Oxford.

From my own experience, I understood the importance of social mobility.

Seven years later was the peak of "programming fever". Top schools gave coveted places to code-savvy kids. Expensive enrichment centers sprung up to give children a headstart---if their parents could pay. Rich kids learnt programming; poor kids didn't even have computers! I realised that while programming was a means of social mobility, only privileged children could access it. So I developed my own curriculum and approached many charities. One agreed.

We procured donated second-hand laptops, and I tutored four children using my curriculum. They devoured the material! I brought them to a national hackathon, where they took first and third out of over 150 teams. I was incredibly proud of them: they beat much more privileged children, many of whom attended those private enrichment centers. One of them now attends a STEM magnet school.

They benefited greatly from the course, but I realised that it wasn't just the programming skills---it was the small community created in our classroom that gave them space to discover their talents and mentorship to keep them on-track. They were making friends, gaining confidence, and learning from one another. I realised that small, supportive communities were truly valuable.

Therefore, I tried to build more communities of mentorship and learning that would benefit many others. For about a year, I worked with IMDA to build these communities. I approached many people, who happily volunteered, but who were concerned about finding people interested in what they had to teach. I realised we had a "matching problem" in economics parlance: we had "buyers" and "sellers", but no way to match them. So why not create a market? This is a future goal of mine: to spearhead a digital initiative at IMDA that enables community-led knowledge-sharing at scale by matching willing teachers with eager students.

But I realised that community was about much more than learning when I read about de Tocqueville's "civil society" in a political theory class. Communities also give people space to develop and pursue common goals, and build social cohesion in the process: think groups of residents who come together to discuss local issues, or mentorship circles where professionals from different fields advise youths. All people---not just my students---become isolated and apathetic when society lacks these and other communities.

The lack of community doesn't just affect individuals: it affects democracy as a whole. Gerrymandering forces together people with disparate goals and interests, discouraging interaction. Without interaction and collaboration, political organisation and discourse disappears, and democratic effectiveness decreases. Therefore, my work with professors Jonathan Rodden and Nick Eubank pioneers a new way to detect gerrymandering. In my own thesis, I increase social interaction by drawing electoral districts that minimise travel time between voters, ensuring that districts mirror voters' natural communities.

I would like to build a civil society enriched by small communities of mutual learning. Such a society leads to stronger democracy and better political discourse as mentioned. But it also improves social mobility. The underprivileged particularly benefit from small, supportive communities that recognise their skills where they might otherwise fall through the cracks. That means that people like my students will most benefit from this civil society.

Essay 2

How will your Stanford education and your Knight-Hennessy Scholars experience prepare you to realize your intentions?

As we work to create such a civil society, I believe strongly that we must quantify our impact. How do we measure social cohesion? How do we know what we are doing is effective, and can we make it better? The best way to answer these questions is to collect data and run experiments: for instance, measuring the impact of different subsidy schemes on community growth. I have some statistical training already, but I'll further refine my knowledge in the Statistics MSc at Stanford.

I have an idiosyncratic mix of interests and abilities, which makes me an excellent fit for some niche problems. But which ones? This is, again, a matching problem. The Knight-Hennessy scholarship lets me speak one-to-one with experts in my areas of interest. With their deep knowledge and broad networks, they will point me to problem domains I didn't even know existed.

The biggest appeal of the program is that it allows me to "communicate, collaborate, and innovate with your fellow Knight-Hennessy Scholars". I value this for two reasons:

First, I will learn from others. The thing I cherished most about Oxford was its community of mutual learning. Because the college was tiny, I got to know everyone really well. I'd have lunch daily with people from different fields, discuss their research, and cross-pollinate it with my own. I expect the Knight-Hennessy community to be similar, and hope to spend lots of time with scholars at Denning House.

My goal is multidisciplinary---I'll need advice from people in different fields. For instance: which residential zoning patterns maximise social interaction? Answering this question requires sociology, public policy, engineering and law. I treasure the opportunity to brainstorm with knowledgeable, passionate people, as my best ideas come from the cross-pollination mentioned. I also want to improve my persuasion and communication skills through the leadership workshops and coaching in the Knight-Hennessy programme, which I'll need to win support for my goal.

Second, I will help others by contributing to their goals. My key research interest is algorithmic redistricting, and I'm excited to work with lawyers and politicians who want to reform the American electoral system. More generally, I can bring my skills in statistics, economics and programming into any multidisciplinary endeavour.

Additional Information

Previous Application

Have you previously submitted an application to Knight-Hennessy Scholars?

☐

Yes

☒

No

Entry Term:

Personal Conduct

Have you ever been convicted of a crime, had a criminal charge sustained against you in a juvenile proceeding, or been placed on a court-supervised probation, or do you currently have a criminal charge pending against you?

☐

Yes

☒

No

Have you ever been suspended, dismissed, or placed on enforced leave from any college, university, or post-secondary institution or been the subject of disciplinary action by such an institution?

☐

Yes

☒

No

Have you ever been placed on academic probation by any college or university?

☐

Yes

☒

No

Minding the Gap(s)

Have you had any gap(s) of four months or more in your employment or education since you completed high school/secondary school?

☐

Yes

☒

No

One Last Thing

You may feel free to use the space below to share essential information not conveyed elsewhere in your application.

Agreement to Application Terms

Please read this text carefully. This is what you are agreeing to when you apply to the Knight-Hennessy Scholars program.

By submitting this application, you consent to Stanford University's collection and processing of any sensitive personal data contained in your application to evaluate your application and for the other purposes described in Stanford University's Online Privacy Policy, Offline Privacy Policy, and the Privacy Notice for Admissions and Financial Aid, which can be found at privacy.stanford.edu.

Your application materials and supporting information become the property of Stanford University once you submit them.

Your application is for the KHS class matriculating in 2020. The Knight-Hennessy Scholars program does not offer deferrals of enrollment.

Please note that your application materials, in addition to being used in the Knight-Hennessy Scholars selection process, may be used as part of the selection process for any Stanford graduate program or for any source of financial support available to Stanford.

If you are offered admission, we want you to make an informed decision. For this reason, we may share limited information with Stanford alumni, students, and/or programs who may contact you to welcome you to the Stanford community and answer your questions.

If you are offered admission, Stanford reserves the right to withdraw that offer if 1) you show a significant drop in academic performance or fail to graduate; 2) there has been a misrepresentation or material omission in, or a violation of, any of the terms of the application process; or 3) we learn that you have engaged in behavior prior to the first day of program attendance that indicates a serious lack of integrity or judgment. Stanford further reserves the right to require you to provide additional information and/or authorization for the release of information about any such matter.

Your electronic signature on your application represents your agreement to the terms of this application and its instructions, and your confirmation/declaration that all of the information that you have provided in this application is your own work and, to the best of your knowledge, complete and accurate. You further agree that you will promptly inform the Knight-Hennessy Scholars program of any change in any of the facts presented or answers given in your application. Your signature also constitutes your consent to Stanford (or its agent) having the right to verify any information presented in or relating to your application.

Signed by: **Lieu Zheng Hong**

Date: **10/10/2019**