Dr. Applicant name
0001 Some Blvd, apt 001
City, State, Zip code.
☐ +1-234-567-8901

July 24, 2024

USCIS
Attn: I-140 (Box 660128)
2501 S. State Highway 121 Business
Suite 400
Lewisville, TX 75067-8003

Initial Evidence in Support of the I-140 Immigrant Petition

Petitioner and Beneficiary:	Applicant name
Type of petition:	I-140
Classification Sought:	Employment-Based Immigration, Second Preference
	Exceptional Ability in Science with a "national interest waiver"
	of the job offer (EB2-NIW).
	INA §203(b)(2)(B)

This letter is respectfully submitted in support of Dr. Applicant name's immigrant petition for Alien Worker. The submitted evidence demonstrates that Dr. name is an alien of exceptional ability in the sciences, Specifically in Artificial Intelligence, who will substantially benefit prospectively the national economy, educational interests, and the welfare of the United States (*please refer to Sec.1 and Sec.2*).

Dr. name provides evidence that he satisfies three (A, E, F) of six criteria listed in 8 CFR, Section 204.5(k)(3)(ii), namely:

1. Dr. name has an advanced degree in Computer Science (*please refer to Sec.1.1*).

2. Dr. name is member of professional associations (*please refer to Sec.1.6*)

3. Dr. name Dr. name's achievements and contributions to the field has recognised by his peers and professional organizations (*Please refer to Sec.1.3, 1.4, 3.1, 3.2*).

Dr. name requests a national interest waiver of the job offer pursuant to Section 203(b)(2)(B)(i) of the Act because he satisfies all three criteria for such a waiver described in *Matter of Dhanasar*, 26 I&N Dec. 884 (AAO 2016), namely:

1. Dr. name's proposed endeavor in Artificial Intelligence has both substantial merit and national

importance (*Please refer to Sec.2*);

2. Dr. name's is well positioned to advance the proposed endeavor due to his exceptional abilities and expertise (*Please refer to Sec.3*); and

3. On balance, it would be beneficial to the United States to waive the requirements of a job offer and thus of a labor certification (*Please refer to Sec.4*)

In the United States, Dr. name plans to continue his research in the area of expertise. (*please refer to the statement from Dr. name detailing plans on how he intends to continue work in the US and to Exhibit 12 , his current job offers.*)

Pursuant to 8 CFR, Section 204.5(k)(1), Dr. name may file a petition on Form I-140 for classification under Section 203(b)(2) of the Act as an alien of exceptional ability in the sciences on his own behalf because he is seeking an exemption from the requirement of a job offer in the United States pursuant to Section 203(b)(2)(B) of the Act.

Enclosed, please also find:

1. Form G-1145,

2. Form G-1450,

3. Form I-140,

4. Petition letter,

5. Supporting Documents (Exhibit 1-22),

6. Dr. name's ID information (Passport, DS2019 form, J-1 visa).

Sincerely

Applicant name
0001 Some Blvd, apt 001
City, State, Zip code.
☐ +1-234-567-8901
Website: https://batchfy.com
E-mail: batchfy@gmail.com

Petition Letter

Section.1   Dr. name is a member of the professions holding an advanced degree.

1.1 Dr. name has received PhD degree from a top University

Dr. name received his Ph.D. degree in Computer Science from XX University. According to US-NEWS ranking, XX University is ranked XX in globally, (*Exhibit 15 : USNEWS University Rankings*). Before his Ph.D. study, Dr. name obtained his BS and MS degrees from XX University, where he started his research in Artificial Intelligence since 2017 when he was a master student.

As evidence, we are submitting copies of Dr. name's diploma and transcripts (Exhibit 6). Since Dr. name completed his education outside the United States, we are also submitting a detailed advisory evaluation of his educational credentials (Exhibit 6).

1.2 Dr. name is an expert in Artificial Intelligence with over 7 years research experience

Dr. name started his research career in Artificial Intelligence when he was a master student at XX University, City, State (year~year). His graduate thesis was devoted to the detection of object skeleton topology from natural images using Artificial Intelligence Neural Networks (*Exhibit 9* abstract of Dr. name's master thesis). His master's research results eventually led to the publication of three high-quality publications (Exhibit 10 : Dr. name's publication list):

1. Example publications

After completing his master's degree, Dr. name began his Ph.D. studies and continued his research in Artificial Intelligence. His Ph.D. thesis was dedicated to the creation of new optimization targets in Artificial Intelligence Neural Networks for Computer Vision tasks (*please refer to Exhibit 9* abstract of Dr. name's Ph.D thesis).

During his Ph.D. study, Dr. name continued his research on Artificial Intelligence, and his research eventually resulted in 5 publications (*please refer to Exhibit 10 : list and first pages of publications*), all of them are published on top conferences or journals in the field of Artificial Intelligence and Computer Vision, and two of Dr. name's journal publications are recognized as "highly-cited papers" by Web of Science database (*please refer to Exhibit 17*), and one of them has over 1,880 citations on Google scholar (*please refer to Exhibit 5 : Dr. name's Google scholar profile*). Dr. name completed his Ph.D. studies in only three years (2017~2020), which is 2 years faster than the average.

After his Ph.D. studies, Dr. name joined Company A, one of the leading Artificial Intelligence research labs in the world, as a senior research scientist (*please refer to Exhibit 1 : support letter from XXX, director of AI research, Company A*).

1.3 Dr. name has widely published in the field of Artificial Intelligence. His publications have appeared in top journals and conferences and have broad impact.

During his research career, Dr. name has published a number of co-authored peer-reviewed papers and all of them are published in top journals or conferences in relavent fields (*please refer to Exhibit 10* : list and first pages of Dr. name's co-authored papers).

He has more than 2,700 citations on Google scholar (*Exhibit 5 : Dr. name's Google scholar profile*), and two of his journal publications are recognized as "highly-cited" papers by the Web of Science

database (*Exhibit 17*).

In order to properly evaluate Dr. name's achievements, it is important to first understand the unique conventions of the field of computer science, which Artificial Intelligence is a subset of. While in most academic fields journal publication is considered the most prestigious and conference publications are typically used to present preliminary research, this is not true in computer science. In fact, according to the Computing Research Association's Best Practices Memo "Evaluating Computer Scientists and Engineers for Promotion and Tenure:

> Relying on journal publications as the sole demonstration of scholarly achievement, especially counting such publications to determine whether they exceed a prescribed threshold, ignores significant evidence of accomplishment in computer science and engineering. For example, conference publication is preferred in the field, and computational artifacts – software, chips, etc. – are a tangible means of conveying ideas and insight. (*Exhibit 18 (a): Computer Research Association memorandum*)

Dr. Michael D. Ernst, professor of computer science and engineering at the University of Washington, explains further:

> "In computer science, papers in peer-reviewed conferences are accepted as high-quality scholarly articles. In fact, conference papers are arguably more prestigious than journal publications: oftentimes, conferences have higher standards and lower acceptance rates. This is the opposite of most other scientific fields. Therefore, when evaluating a computer scientist, it would be incorrect to disregard conference publications, even though that would be correct for other scientific fields such as biology and chemistry. A computer scientist's conference publications are the equivalent of journal publications in other fields." (*Exhibit 18 (b): Testimonial from Professor. Michael D. Erns, University of Washington*)

With this in mind, please note that Dr. name's work in the field has resulted in 11 peer-reviewed conference and journal articles (*Exhibit 10 : Dr. name's publication list*). Moreover, these papers have been published in the top conference proceedings and journals in Dr. name's field, which reflects his peers' recognition of the value of this research:

1. Two of Dr. name's research were published on "IEEE Transactions on Pattern Analysis and Machine Intelligence", which is the best IEEE journal in Computer Scienceand Artificial Intelligence, and ranked #2 in Computer Science and Artificial Intelligence2022 Journal Citation Reports^{TM} (*Exhibit 13*).

2. Two of Dr. name's research were published on IEEE/CVF Conference on Computer Vision and Pattern Recognition, which is ranked #1 in Engineering & Computer Science and ranked #4 among all disciplines in google scholar metrics 2023 (*Exhibit 14 : 2023 Google scholar metrics*).

Google Scholar rankings constitute an objective measure of the degree to which a journal has achieved a high level of influence in its field. Furthermore, as journals with high Google Scholar rankings receive more submissions than they are able to accept for publication, the selection of

Dr. name's research for publication in these journals therefore affirms the fact that the quality of his research has set him apart from his peers.

Experts in the field have submitted letters confirming that Dr. name's record of successful research has well positioned him to continue advancing the proposed endeavor (*Exhibit 1* , *Exhibit 2* , *and Exhibit 1*).

1.4 Dr. name's research has been covered by mainstream media and applied to commercial products

During his stay in Company A, Dr. name invented a data synthsis method to train Topic A models:

> In another significant contribution, Dr. Example introduced an innovative approach to generate synthetic data for training Topic A models... The newly devised method effectively addresses this gap and notably enhances the accuracy of Topic A, particularly in scenarios with limited training data. (*Exhibit 3 : letter from XXX, director of AI research, Company A*)

The research was covered by MIT technical review: (*Exhibit 19 : an article from MIT technology review*),

> XXXX *Exhibit 19 : MIT technology review article covering Dr. name's research on XXX.*

and has been applied to the passenger payment system in Beijing city subway:

> XX's social media giant Company A holdings is allowing Beijing metro passengers to pay for rides using only their palms. (*Exhibit 20 : news report from Yahoo finance.*)

1.5 Dr. name received a postdoctoral position in a top University in the world is already working in the United States in the field of his expertise

Dr. name joined University of XXX, one of the best public research universities in the US, as a postdoctoral researcher in 2022 (*Exhibit 12 : job offers from University of A*) where he is doing research in AI in medical image analysis.

> "The first time I met Dr. Example was in 2019 at the International Conference on Computer Vision (ICCV), where he presented his paper 'Example paper.' In this paper, he developed a novel method for xxx, which is closely related to my research in detecting tumors from medical images. After an in-depth discussion with him, I found that his background and experience would be a good fit for my lab, and I decided to offer him a postdoctoral scholar position." Exhibit 1 : letter from professor Firstname Lastname

Dr. name is developing new AI-based models for prostate cancer diagnosis from magnetic resonance images (MRI).

"One of his major accomplishments is an AI-based approach for prostate cancer diagnosis with dynamic contrast-enhanced magnetic resonance images (DCE-MRI). The newly proposed approach significantly improves the accuracy and efficiency of processing compared to existing methods." Exhibit 1 : letter from professor Firstname Lastname

1.6 Dr. name is a member of major professional organizations

Dr. name is a member of Institute of Electrical and Electronics Engineers (IEEE) (*Exhibit 11 : Dr. name's IEEE membership card*), the world's largest technical professional organization. Dr. name has published several papers in IEEE journals and conferences and given talks and presentations in IEEE conferences (*Exhibit 4 : Dr. name's CV*).

Section.2 Dr. name's proposed endeavor has both substantial merit and national importance for the United States

Dr. name's proposed endeavor is to develop state-of-the-art Artificial Intelligence algorithms for automatic and intelligent decision making. Among other applications, Dr. name's work is relevant to the improvement of various technologies, including but not limited to autonomous driving vehicles, automatical diseases diagnosis, which is of substantial merit and great importance to the United States.

2.1 Artificial Intelligence is an area of substantial merit

Dr. name is an expert in the field of Artificial Intelligence, especially in the subfield of Computer Vision. AI eliminates friction and improves analytics and resource utilization across your organization, resulting in significant cost reductions. It can also automate complex processes and minimize downtime by predicting maintenance needs. Artificial Intelligence and Computer Vision have broad applications such as automatical disease diagnosis from medical images, Autonomous Vehicles from cameras et. al.

The Artificial Intelligence market size was valued at USD 454.12 billion in 2022 and is expected to hit around USD 2,575.16 billion by 2032, progressing with a compound annual growth rate (CAGR) of 19% from 2023 to 2032. The North America artificial intelligence market was valued at USD 167.30 billion in 2022. (*Exhibit 16 : a report from the national qualification register.*)

The importance of AI has also been recognized by the US goverment:

"AI advances are also providing great benefits to our social wellbeing in areas such as precision medicine, environmental sustainability, education, and public welfare." (United States Department of State `https://www.state.gov/artificial-intelligence/`)

In summary, Artificial Intelligence is an important technology and has broad impact in many industries. It is of substantial metri to the United States.

2.2 Dr. name's work will be beneficial to the United States

Dr. name's proposed endeavor also will benefit the United States. For example, the Topic B and Topic A methods he invented can be used as secure identification methods that add an additional

layer of security to payment systems. In December 2022, the Nilson Report, which monitors the payments industry, released a forecast indicating that U.S. losses from card fraud will total $165.1 billion over the next 10 years. Adding additional advanced identification technologies like Topic A and Topic B would prevent many of the losses.

Furthermore, Dr. name's current research at University of A is essential to improving the healthcare. He is developing AI algorithms to automatically diagnose and localize early-stage prostate cancers from magnetic resonance images (MRI). Prostate cancer is the most common solid organ malignant tumor and the second leading cause of cancer-related death in men in the United States. Diagnosing tumors at the very early stage is the key to increasing the chances of successful treatment and improving patient outcomes. However, early-stage tumors are very hard to identify and depends heavily on the experience of radiologist. Unfortunately, not every patient has the access to an experienced radiologist. Artificial Intelligence and Computer Vision technologies can greatly improve the chance of detecting tumors at the early stage and save patients' lives, and also improve health care equality. In summary, Dr. name's proposed endeavor is of great importance to the United States. Fellow experts in the field have provided further detail on the importance of this endeavor:

- "*One of his major accomplishments is an AI-based approach for prostate cancer diagnosis with dynamic contrast-enhanced magnetic resonance images (DCE-MRI). The newly proposed approach significantly improves the accuracy and efficiency of processing compared to existing methods.*" (Exhibit 1 , support letter from Professor, Firstname Lastname, University of XX, USA)

- "*His research outcome has both practical application and academic reputation. His research on Topic A resulted in a conference paper published in the European Conference on Computer Vision, and it was covered by MIT Technology Review.*" (Exhibit 2 , support letter from Professor X, X University, United Kingdom)

Section.3 Dr. name is well positioned to advance the proposed endeavor

Dhanasar indicates that the second prong of the analysis must consider whether the petitioner is well positioned to advance the proposed endeavor (*Dhanasar*, at 890). This multifactorial assessment includes an evaluation of the petitioner's education, skills, knowledge, and record of success in related efforts; a model or plan for future activities; any progress made toward achieving the proposed endeavor; and the interest of potential customers, users, investors, or other relevant entities or individuals (Id.). Importantly, *Dhanasar* points out the inherent difficulty in "*forecasting feasibility or future success,*" even in the presence of a cogent plan and competent execution; therefore, petitioners are not required to show that their proposed endeavor is more likely than not to succeed (Id.).

Based on this multifactorial assessment, it is clear that Dr. name's education, experience, expertise, documented record of success, influence in his field, and his future plan have altogether well positioned him to advance the proposed endeavor.

3.1 Education, Skills, and Knowledge

Dr. name holds a PhD in Computer Science from the Example University. Prior to obtaining his degree there, he also studid electronical engineering at XX University. He also did research-

oriented interships at Panasonic research and development center, Singapore and Tencent (*Exhibit 4 : Dr. name's CV*). Based on this background, Dr. name has secured a position with University of A (*Exhibit 12 : job offers from University of A*), where he is continuing his research in Artificial Intelligence, and is developing an AI-based systems to diagnose prostate cancer from magnetic resonance images.

Dr. name has completed more than 10 reviews for top conferences and journals (*Exhibit 8 : evidence of reviewing services*). Given that only the most highly impactful researchers in the field are invited to evaluate the work of their peers, especially in notable venues like these, it is clear that Dr. name is recognized by his peers as very knowledgeable in the field.

3.2 Record of Success in Related or Similar Efforts and Interest of Relevant Individuals

Throughout his time working in the field, Dr. name has built an impressive record of success. As detailed below, Dr. name's original research on nationally important topics like Topic B, Topic A, line detection, and the development of automatical tumor diagnosis have been published in some of the most prestigious journals in his field. Several of Dr. name's papers are highly cited relative to other papers in his field (*Please refer to Exhibit 5 : Dr. name's Google scholar profile*). Furthermore, one of Dr. name's publication was covered by MIT technology review - a mainstream technology reporting media in the world (*Exhibit 19 : article from MIT technology review.*). And his research has practical applications, one of his research outcome has been applied to subway payment system in Beijing - a 20 million city in XX (exhibit 25). This is an unusually strong record of success for a researcher in computer vision and demonstrates Dr. name's ability to continue pursuing his proposed endeavor.

3.2.1 Some of Dr. name's papers are among the most highly cited in relative field

Dr. name has more than 2,700 citations on Google scholar (*Exhibit 5 : Dr. name's Google Scholar profile*), which is way more than his peers. Two of Dr. name's publications were recognized by Web of Science database as highly cited papers (*Exhibit 17 *), which is a strong evidence of the high quality of Dr. name's research.

3.2.2 Dr. name's research has not only academic value but also social value and commercial applications.

Dr. name's research on palmprint has not only impact in the academia, but also has social impact and commercial applications.

First, the paper titled "XXX" was published at ECCV, one of the premier conferences in Computer Vision (*Exhibit 10 : Dr. name's publication list.*).

Secondly, the new technology was featured in the MIT Technology Review, a highly influential media outlet (*Exhibit 19 *).

Furthermore, this technology has been implemented in xxxx.

These evidences show that Dr. name's research has broad impact and commercial value.

3.2.3 Dr. name's work has been published in top publication venues in his field

Dr. name's work in the field has resulted in 11 peer-reviewed publications (*Exhibit 10 : Dr. name's publication list*) with more than 2,700 citations (*Exhibit 5 : Google scholar citations*). Moreover, these papers have been published in the top conference proceedings and journals in Dr. name's field, which reflects his peers' recognition of the value of this research:

1. Three of Dr. name's research (*Exhibit 10 : publication list*) were published on "IEEE Transactions on Pattern Analysis and Machine Intelligence", which is the best IEEE journal in Computer Scienceand Artificial Intelligence, and ranked #2 in Computer Science and Artificial Intelligencea recent Journal Citation Reports$^{\text{TM}}$ (*Exhibit 13*).

2. Two of Dr. name's research (*Exhibit 10 : publication list*) were published on IEEE/CVF Conference on Computer Vision and Pattern Recognition, which is ranked #1 in Engineering & Computer Science and ranked #4 among all disciplines in google scholar metrics 2023 (*Exhibit 14 Google scholar metrics*).

Google Scholar rankings constitute an objective measure of the degree to which a journal has achieved a high level of influence in its field. Furthermore, as journals with high Google Scholar rankings receive more submissions than they are able to accept for publication, the selection of Dr. name's research for publication in these journals therefore affirms the fact that the quality of his research has set him apart from his peers.

Experts in the field have submitted letters confirming that Dr. name's record of successful research has well positioned him to continue advancing the proposed endeavor (*Exhibit 1 ,Exhibit 2 , Exhibit 3*).

3.3 Progress Toward Achieving the Proposed Endeavor & Plan for Future Activities

Dr. name has pursued research directly related to his proposed endeavor of developing state-of-the-art AI system for decision making. Dr. name is presently engaged in research at University of A, where he is developing innovative AI algorithms for the automatic diagnosis of tumors from magnetic resonance images (MRI).

> He has created an advanced system that is ten times faster than conventional methods and, at the same time, more effective in detecting prostate tumors amidst normal tissue (*Exhibit 1 : letter from professor Firstname Lastname, University of A*).

It should be noted that Dr. name's work developing advanced AI algorithm for cancer diagnosis will continue to be circulated to others in the field through the publication of papers in peer-reviewed journals and conference proceedings (*Exhibit 7 : statement from Applicant name*).

Section.4 On balance, it would be beneficial to the United States to waive the requirements of a job offer and thus of a labor certification

As discussed above, Dr. name holds an advanced degree in a field tied to the proposed endeavor, and the submitted evidence demonstrates that he possesses considerable experience, expertise, and

a documented record of success in a highly specialized field. Additionally, while he is applying for a waiver of the job offer requirement and his proposed endeavor is not tied to any specific position, the documentation submitted herewith makes clear that Dr. name plans to hold a position that is narrowly tailored to his unique skillset in Artificial Intelligence.

Considering his record of successful research in an area that significantly furthers U.S. interests, Dr. name offers contributions of such value that, on balance, they would benefit the United States even assuming other qualified U.S. workers are available. Dr. name's proposed endeavor in Artificial Intelligence directly addresses critical issues related to the improvement of various technologies, including healthcare, safe authentication and self-driving cars. This is clearly demonstrated by his successful investigations into the AI-based face and Topic A, and AI-based prostate cancer diagnosis from MR images. Dr. name is also uniquely well positioned to pursue this work considering the breadth of his many years' experience as well as his leadership and expertise in the field.

Considering the above factors and the evidence presented therein, Dr. name satisfies this prong.

Section.5 Conclusion

As the documentary evidence and corroborating testimony from experts in the field establish, Dr. name is a member of the professions holding an advanced degree. He proposes to continue his work in Artificial Intelligence and Computer Vision are obviously an endeavor with substantial merit and national importance. His education, experience, and expertise, record of publication and citation, and history of successful research in the field all indicate that Dr. name is well positioned to advance the proposed endeavor. These facts establish that it is beneficial to the United States to waive the requirements of a job offer and labor certification. Dr. name has therefore established eligibility for and otherwise merits a national interest waiver, and his petition should be approved.

INDEX OF EXHIBITS

<u>Letters of Recommendation</u>

Exhibit 1   Example1

Exhibit 2   Example2

Exhibit 3   Example 3

<u>Academic and Professional Background</u>

Exhibit 4   Dr. name's CV

Exhibit 5   Dr. name's Google scholar profile

Exhibit 6   Copies of Dr. name's PhD diploma, transcript, certificate, and degree evaluation

Exhibit 7   Signed statement confirming Dr. name's proposed endeavor and describing his future plans for research and employment

Exhibit 8   Evidence of Dr. name's peer review services.

Exhibit 9   Abstract of master and Ph.D. thesis by Dr. name.

Exhibit 10   List and first pages of peer-reviewed publications co-authored by Dr. name.

<u>Others</u>

Exhibit 11   Dr. name's IEEE membership card.

Exhibit 12   Job offers from University of XXX.

Exhibit 13   2022 Journal Citation Index rankings in Computer Science and Artificial Intelligence.

Exhibit 14   2022 Google scholar metrics

Exhibit 15   The 2022 USNEWS world university ranking.

Exhibit 16   First page of a report about Artificial Intelligence from Precendence Research.

Exhibit 17   Two of Dr. name's publications are recognized by Web of Science as highly-cited papers.

Exhibit 18   a) Computer Research Association memorandum describing the publication climate in computer science. b) Testimonial from Dr. Michael D. Ernst (Professor of Computer Science & Engineering, University of Washington) describing the publication climate in computer science.

Exhibit 19   An article from MIT technology review covering Dr. name's research on palm recognition.

Exhibit 20   Article on Yahoo Finance revealing revealling the application of Topic A technology to Beijing Metro payment system.

Exhibit 21   Matter of Dhanasar.

Exhibit 1 : Short CV and letter from Professor XXX

Exhibit 2 : Short CV and letter from Professor xxx

Exhibit 3 : CV and letter from Dr. xx

XX's academic CV:

Exhibit 4 : Dr. name's CV

Exhibit 5 : Dr. name's Google scholar profile

Exhibit 6 : Dr. name's Ph.D. diploma, transcript and degree evaluation.

Exhibit 7 : Statement from Dr. name detailing plans on how he intends to continue work in the US

My name is Applicant name. I am the beneficiary of the I-140 Immigrant Petition for Alien Worker, seeking EB2-NIW immigrant classification as an individual of exceptional ability. I have a vast experience in Artificial Intelligence, and I intend to continue doing research in these areas in the United States.

After finishing my postdoctoral project at the University of BB, I plan to prepare a research proposal based on my expertise and apply for academic positions in the U.S. research universities. Over last ten years, I have been exceptionally good in learning new things, solving challenging problems, and presenting my results to the scientific community. I like teaching and doing research, so the position as a faculty member suits the best to my interests and expertise.

Getting the permanent residence in the United States will increase my research opportunities. For example, some of the research grants and fellowships are restricted to the U.S. citizens and permanent residents. I will be able to attend international conferences in my field outside the United States without worrying about re-entering the US. For example, during my postdoctoral research, I had to opportunities to visit Paris for ICCV2023, a top academic conference in Artificial Intelligence and Computer Vision. However, I had to decline this important opportunity to interact with my colleagues because my J-1 entrance visa stamp had expired. Renewing it would have required travelling to my home country and would have distracted me from my work in laboratory for several weeks.

I had the experience working in the industry as a research scientist (*see Exhibit 3 : letter from my former colleague Dr. XXX*), and I'm excited about applying cutting-edge technologies into real-world applications that serve the people. Therefore, I will also consider conducting research and development in a technical company as a research scientist so that I can apply and translate state-of-the-art Artificial Intelligence technologies into products.

I will be very grateful if I am given a chance to benefit the U.S. science and economy.

Yours faithfully,

Applicant name
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City, State, Zip code.
☐ +1-234-567-8901
Website: https://example.com
E-mail: applicant-name@gmail.com

Exhibit 8 : Evidence of Dr. Example's peer review services

Exhibit 9 : Abstract of master and Ph.D. thesis by Dr. name.

Exhibit 10 : List and first pages of 12 peer-reviewed publications co-authored by Dr. name.

Publication during master's study:

- Example

Publication during Ph.D.:

- Example

Publication after Ph.D.:

- Example

Exhibit 11 : Dr. name's IEEE membership card

Exhibit 12 : Dr. name's Job offers from XXX and DS2019 form

Exhibit 13 : 2022 Journal Citation Index in Engineering

⠿ Products

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145 journals

Journal name/abbreviation, ISSN/eISSN, category, p   🔍

🔗 Copy query link   ⬇ Export

Indicators: Default   ⌐ Customize

COMPUTER SCIENCE, ARTIFICIAL INTEL... ⊗   SCIE ⊗   JCR Year: 2022 ⊗

Journal name	ISSN	eISSN	Category	Total Citations	2022 JIF
Nature Machine Intelligence	N/A	2522-5839	COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE - SCIE	6,863	23.8
IEEE TRANSACTIONS ON PATTERN ANALYSIS AND MACHINE INTELLIGENCE	0162-8828	1939-3539	COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE - SCIE	82,074	23.6
INTERNATIONAL JOURNAL OF COMPUTER VISION	0920-5691	1573-1405	COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE - SCIE	26,941	19.5
Information Fusion	1566-2535	1872-6305	COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE - SCIE	16,059	18.6
ARTIFICIAL INTELLIGENCE	0004-3702	1872-7921	COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE - SCIE	16,576	14.4
IEEE TRANSACTIONS ON EVOLUTIONARY COMPUTATION	1089-778X	1941-0026	COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE - SCIE	22,824	14.3
ARTIFICIAL INTELLIGENCE REVIEW	0269-2821	1573-7462	COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE - SCIE	10,469	12.0
IEEE TRANSACTIONS ON FUZZY SYSTEMS	1063-6706	1941-0034	COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE - SCIE	27,044	11.9

Filter 3

Exhibit 14 : 2022 Google scholar metrics

	Categories		English

	Publication	h5-index	h5-median
1.	Nature	467	707
2.	The New England Journal of Medicine	439	876
3.	Science	424	665
4.	IEEE/CVF Conference on Computer Vision and Pattern Recognition	422	681
5.	The Lancet	368	688
6.	Nature Communications	349	456
7.	Advanced Materials	326	415
8.	Cell	316	503
9.	Neural Information Processing Systems	309	503
10.	International Conference on Learning Representations	303	563
11.	JAMA	286	476
12.	Science of The Total Environment	273	375
13.	Nature Medicine	268	459
14.	Proceedings of the National Academy of Sciences	268	394
15.	Angewandte Chemie International Edition	266	362
16.	Chemical Reviews	264	459
17.	International Conference on Machine Learning	254	463
18.	Chemical Society Reviews	248	390
19.	Journal of Cleaner Production	246	321
20.	Nucleic Acids Research	238	539
21.	European Conference on Computer Vision	238	390
22.	Advanced Energy Materials	236	312
23.	Journal of the American Chemical Society	235	321
24.	IEEE Access	233	350
25.	Advanced Functional Materials	230	312
26.	IEEE/CVF International Conference on Computer Vision	228	366
27.	Renewable and Sustainable Energy Reviews	226	303
28.	ACS Nano	220	290
29.	BMJ	218	356
30.	Physical Review Letters	216	301
31.	International Journal of Molecular Sciences	215	305

Exhibit 15 : The 2022 USNEWS world university ranking

Exhibit 16 : First page of a report from Precendence Research

Exhibit 17 : Two of Dr. name's publications are recognized by Web of Science as highly-cited papers

Exhibit 18 : Testimonial from Dr. Michael Erns, University of Washington

Michael Ernst
Computer Science & Engineering
University of Washington
Box 352350
Seattle, WA 98195-2350
mernst@uw.edu
+1-206-221-0965
29 May 2015

Re: conferences and journals in computer science

I am writing in regard to the merits of conference publication in the field of computer science. In brief: **in computer science, papers in peer-reviewed conferences are accepted as high-quality scholarly articles**. In fact, conference papers are arguably *more* prestigious than journal publications: oftentimes, conferences have higher standards and lower acceptance rates. This is the opposite of most other scientific fields. Therefore, when evaluating a computer scientist, it would be incorrect to disregard conference publications, even though that would be correct for other scientific fields such as biology and chemistry. A computer scientist's conference publications are the equivalent of journal publications in other fields.

This fact is widely known by computer scientists. It is clearly laid out in CRA's Best Practices Memo, "Evaluating Computer Scientists and Engineers For Promotion and Tenure". The same point is made in the article "Research Evaluation for Computer Science" in *Communications of the ACM* (April 2009). ACM and CRA are the premier scientific organizations for computer science.

As a result, good researchers in computer science are content to publish in conferences. When evaluating a computer scientist for hiring, tenure, etc., a proper evaluation should be based primarily on peer-reviewed conference publications. Sadly, some citation databases used in other scientific fields omit computer science conferences, so these databases are of no value when evaluating a computer scientist: you need to understand computer science, not just look up a number in a citation database that is tuned to another field.

Naturally, not all conferences are equal. The best journals are better than the worst conferences. Great articles, and poor ones, appear in both conferences and journals. Nonetheless, the general rule holds: peer-reviewed conference publications are the most important and relevant measure of a computer scientist's accomplishments. As a rule, the best conferences are those organized by ACM; you can also see one conference ranking at Microsoft Academic Search, http://academic.research.microsoft.com/, or a joint ranking of conferences and journals in my field at https://scholar.google.com/citations?view_op=top_venues&hl=en&vq=eng_softwaresystems.

Computer science is a deep and compelling scientific field that has contributed greatly to our nation's economy. I urge USCIS to use the standard accepted evaluation criteria when judging computer scientists.

If you have any additional questions, feel free to contact me by email at mernst@uw.edu.

Sincerely,

Michael D. Ernst
Professor

About the author: Michael D. Ernst is a Professor at the University of Washington. He was previously a researcher at Microsoft Research and a tenured professor at MIT. He is the recipient of numerous awards, including the inaugural IBM John Backus Award in 2009, a ACM SIGSOFT Impact Paper Award in 2013, and 9 best paper awards. He is an ACM Fellow. In 2013, Microsoft Academic Search ranked him 2nd among software engineering researchers worldwide, for work in the previous 10 years. More information is available at his webpage: http://www.cs.washington.edu/homes/mernst/.

Exhibit 19 : An article from MIT technology review covering Dr. name's research on palm recognition

Exhibit 20 : Article on Yahoo Finance

Exhibit 21 : Matter of Dhanasar

Dr. name's ID information (Passport ,DS2019, J-1 visa, I-94)