|  |  |  |  |
| --- | --- | --- | --- |
| 2018常春藤夏季科研项目申请表  INSTITUTE FOR ADVANCED RESEARCH | | | |
| 学习计划和学术基础 (Study Plan and Academic Information) | | | |
| 姓名  Name | Yuan Shuai | 手机号码 Phone number | 778-886-1380 |
| 英文名  English Name | Thomas | 性别  Gender | male |
| 出生日期 Date of Birth | 2001-11-22 | 邮箱 E-mail | Thomas.yuan2020@stgeorges.bc.ca |
| 所在学校 School | St.Georges school | 年级 Grade | 10 |
| Skype ID |  | 父/母电话  Parent’s number | 7788861319 |
| 托福分数 TOEFL Score（如参加过考试） | | | |
| 阅读 Reading | 听力 Listening | 口语 Speaking | 写作 Writing |
| 29 | 28 | 29 | 26 |
| 雅思分数 IELTS Score（如参加过考试） | | | |
| 阅读 Reading | 听力 Listening | 口语 Speaking | 写作 Writing |
|  |  |  |  |
| SAT 分数 SAT Score（如参加过考试） | | | |
| 批判性阅读 Critical Reading | 数学 Mathematics | 写作 Writing | 总分 Total Score |
|  |  |  |  |
| AP/ACT 分数 AP/ACT Score（如参加过考试） | | | |
| 科目名称/分数 Subject/Score | 科目名称/分数 Subject/Score | 科目名称/分数 Subject/Score | 科目名称/分数 Subject/Score |
| Econ(macro):5 | Econ(micro):5 | Psychology:5 |  |
| 1. 你认为你的SAT/ACT、AP、托福/雅思成绩是否真实地反映了你的学习水平？ 如果答案是“否”，请详述。   (Do you think your SAT, ACT and TOEFL/IELTS scores reflect your actual knowledge proficiency? If not, please explain in details.) | | | |
| SATs and standardized tests could reflect a person’s effort and his/her ability to learn, but it does not reflect the knowledge one has. For example, if a person is good at graphic design and coding but not so good at literature, he/she would do horrible on the SATs. Nevertheless, that person may find a job at a high-tech firm because he has design techniques and coding capabilities that a high tech firm needs. Thus, Standardized tests could not reflect the potential someone has. | | | |
|
| 2. Which statement represents you: "explore ideas", "dig deeper", "reach new heights", "get involved"?  以下哪些表达可以代表你对自己的判断：“探索想法”，“深入挖掘”，“达到新高度”，“参与而已”？ | | | |
| All four could represent me in different scenarios. I “expore ideas” when it comes to trying out new things such as working on science fair project ideas and business case competitions. I’m never afraid to think of big ideas or ideas that may not be viable, I firmly believe that only when ideas are tried they could be proven whether feasible. For any project I work on, I “dig deeper” to understand the project as much as possible. This is the time I learn the most about something, as there are no limits to the amount of knowledge I could acquire. When preparing for a debate competition, I used research from Wikipedia all the way to google scholarly articles. If I find that a method is not working for me, I would always change that method and try my best to “reach new heights”. Although already a decent national level table tennis player, I realized that to become better and I needed to improve my techniques. I took the risk and changed my form; it allowed me to “reach new heights” and eventually win a national title. For all the things that I am not an expert at, I’m open-minded and try to “get involved” as much as possible. When I was around 12 years old, I was with an entire class of students who I did not know at all, I decided I should try and make friends and walk out of my comfort zone. I succeeded that time, later on, with this courage I was able to make many new friends with the same method and obtain many opportunities. | | | |
|
|
|
| 3. Which research topic from the IAR Research Program do you wish to attend? Why? Please list no more than three in your order of preference. (check the IAR brochure)  你想要参加IAR常青藤夏季科研项目的哪一个科研课题呢？为什么？  请按优先顺序列出课题，不超过三个。（可从IAR手册查看关于课题的信息） | | | |
| Machine Learning:  Cloud Computing  I have a passion in machine learning and would love to know more about it  Vancouver Regional Science Fair Silver Medalist(Machine Learning Salmon Prediction Software)  Genius Olympiad International Science Fair Bronze Medalist (Machine Learning Salmon Prediction Software) | | | |
| 4. Do you have a direction yet? What is it? If not, what do you wish to explore?  你对未来（比如大学专业或从事行业）确定方向了吗？ 是什么？ 如果还没有，你想探索什么？ | | | |
| If I were to declare my major for undergraduate study right now, I would apply to computer engineering; this area of study could provide me the basic skills for going into any field of technology. From a young age, I`ve always looked up to people who are trying to change the world positively using technology. From Steve Jobs’ breakthrough in smartphone devices to Elon Musks’ evolutionary empire of new ideas such as electric cars and space rockets. From 9 years old to 15 years old, I lived in a rising technology hub in China- Shenzhen. I saw the evolution of technology, from a suitcase like laptop to a laptop thin as a binder, from a brick phone to a phone that displayed wonderful graphics, these were changes that forever changed the city and the world. Over time, my interests have coalesced into computer security, machine learning, algorithm analysis and computational statistical analysis, which are the building blocks of all sorts of programs and computers. | | | |
| 5.Will you be able to stand up to the pressures, challenges and freedoms of IAR Research Program?  Do you think what you will benefit from your IAR experience?  你能够承受IAR科研项目的压力，挑战和自由吗？  你认为参加IAR对你有哪些帮助？ | | | |
| A common saying that is expressed time after time is: “pressures provides motivation”. For any event that is meaningful and will allow a person achieve new heights: there will be pressure. I could not say I am the most passionate person in research nor could I say I’m completely ready for any new challenge. But what I could say is that if I do the IAR Research Program I will put in more than 100 percent of effort to overcome any obstacles in my way. I’m so willing to do the program because of two reasons: first being that I would love to learn about computer science and research from a top professor, and second being that I’m passionate about machine learning and would seize any opportunity to learn more about it. | | | |
| 6.We hear from all sides about “leadership,” “service,” “scientific passion,” and various other desirable qualities that bring about change in the world. How open are you to new ideas and people? What choices have you made for yourself? Why?  我们从各方面听到“领导力”，“服务”，“科学激情”以及其他改变世界的能力素质，你对新兴的想法和人有多开放？你为自己做过什么选择？ 为什么？ | | | |
| Everyone is born on this planet naive and is discovering a new piece of this fascinating world every single day. We are able to build solid bridges in our education not because we are forced to, but because we are generally curious about the world and the unlimited information waiting to be discovered. At least for me, that was the driving force that pushed me to constantly search for learning opportunities. Before grade 9, I was an introverted student and mainly kept to myself. I had a close group of friends, and did not take risks and explore things that were unfamiliar to me. Realizing that the only way to live a more interesting life was to open up to new experiences, I started going out of my comfort zone to try new sports, activities and make new friends. I placed 4th in the North Vancouver U-15 Triathlon, 1st in a debate competition in Washington, and continued with my passion in table tennis to win nationals. However, even after these achievements, I always felt that I had not yet found my true passion. This is when I heard about Raymond Wang, who would change my life once again. I had never seen him in person before, but just watching him and his inspirational experience in creating a product (an effective air cabin filter) on his own at such a young age fascinated me. I decided to embark on a journey to create my own project. Coincidentally, when I was searching for a python tutorial one day, an ad informed me that there was a course on machine learning. After I clicked into that course early in the morning on a weekend I just could not stop. The idea of simulating the processes in our brains using algorithms fascinated me and I finished the course in around a month. Later in the year, I created a piece of software and entered it into a science fair and received a silver medal. This experience drove me to further my exploration in computer science and I realized that IAR research program could be a stepping stone for me to learn more about machine learning. In many ways, I still feel that I am that naive young boy who is eager to learn, but I do believe that IAR research program could help me build a bridge that would lead me into adulthood. | | | |

填写说明：

1.All answers are required to be written in English

请用英文填写问卷。

2.Applicants for IAR Research Program are required to appear online, in person, for an interview, via Skype. Please schedule an appointment for that interview with the help of your teacher and add our Skype ID (interview@arinst.org) before the interview.

IAR常青藤夏季科研项目的申请者需要通过Skype进行线上面试。面试必须提前预约，你可以通过老师的帮助或通过IAR Skype帐户在线安排面试预约。请您在面试之前添加IAR项目面试Skype，Skype ID：[interview@arinst.org](mailto:interview@arinst.org)