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Research interest statement sample for phd application

Research interest statement sample for phd application pdf. How to write a research statement for phd application. Phd application research statement example.

In general, your PhD statement should cover the following topics: 1. What is your background? Keep this relevant (and fairly brief). Admissions tutors and supervisors will be interested in what's brought you to choose a PhD, but they won't need to know your life story (and you won't have time to tell it to them). If your interest in your subject was inspired in childhood, feel free to say so. But focus on the interest, not the childhood. 2. Why do you want to research this topic? Every personal statement needs to explain your motivation for taking on a PhD, but what you include here will depend on the kind of PhD you want to take on. If you're also submitting a separate research proposal you should probably focus more on why you want to research a PhD than the specific topic you're proposing to research (that, after all, is what your research proposal is for).



If you're applying for an advertised project (and not proposing your own research) you should say something about your interest in that PhD: what interests you about it and what you can bring to it. 3. What academic experience do you have? Your personal statement isn't a CV, so avoid simply listing qualifications you've detailed elsewhere in your application (on your CV, for example). But your personal statement is a chance to comment on your CV and explain the significance of those qualifications for your PhD application. This is vital if you want to stand out from the crowd. Most PhD applicants are academically excellent. Be proud of your own results, but explain what those degrees (including specific units and dissertation projects) taught you about the subject you now want to research. What extra-curricular experience do you have? Another way to build upon your academic qualifications is to include other experience that has also demonstrated (or developed) relevant skills for your PhD. Again, relevance is key. You may also wish to include one or two examples of your wider experience and achievements, but the focus should be on your suitability for PhD study. Examples of your character and qualities may be relevant for some projects - particularly those with a charitable focus, human-interest angle or clear social benefits / outcomes. Otherwise, try to stick to relevant skills such as organisation, independent project management, self-motivation, etc. What are your broader goals and motivations? It's a good idea to say something about how this PhD fits into your wider aims and career goals. The specifics of what you plan to do after your doctorate may not matter to your admissions tutors, but the fact that you have plans and can show that a PhD fits them demonstrates that you've thought seriously about a doctorate and are likely to commit to overcoming the challenges it involves. Are there any other areas or issues arising from your CV? Your personal statement is a great opportunity to expand upon your CV. That could mean providing more detail about academic degrees (as above). But it can also mean explaining any gaps or irregularities and anticipating some of the questions they might raise. Perhaps you didn't do as well as you hoped on your undergraduate degree, but went on to find your niche and succeed with a more specialised Masters. It's OK to acknowledge and explain that if so - particularly if your Masters relates closely to your PhD. Similarly, if there's a gap in your CV, it's better to explain it than leave any begged questions - particularly if there's a perfectly good reason why you weren't working or studying at that point. Page 2On Kindness in Postgraduate StudyThe world feels like a challenging place right now. So, as part of this year's Mental Health Awareness Week, we've looked at some of the small kindnesses you can share and experience as a postgraduate student. Read more OFFICE HOURS Monday-Friday, 9:00 AM - 5:00 PM QUICK QUESTION? In-Person and Virtual Drop-in Hours offered Monday - Friday from 2 p.m. - 4 p.m. ET during the academic year. ACCESSIBILITY INFORMATION Ramp access to Uris Hall is available to the right of the main entrance. Once in the lobby, take the elevators to the 2nd floor. To ensure the ease of access, it is strongly encouraged that clients call either the front desk at 212-854-5609, Employer and Alumni Relations at 212-854-9167, or visit our Contact Us form prior to arrival. Your 'statement of research interests' contains a proposal for future academic research and shows how that builds on your current expertise and achievements. It forms the basis for discussions and your presentation if you are invited for interview. Tailor it for each academic position you apply for. Your research interests are likely to be broad enough to be tailored to the local interests and expertise. Make sure that there is palpable synergy between the research you are proposing and what the employing department carries out. This is worth the substantial time investment. In preparing your statement, read your colleagues' statements, ask for feedback from your supervisor/principal investigator or colleagues. Previous research experience Consider structuring your research experience by project, tailored as far as possible to your proposed research, as follows: aimachievementrelevant techniquesyour responsibilities. Research proposal If at all possible, talk with people in the department you are applying to. This will raise your profile with potential future colleagues as well as inform your thinking. They are likely enjoy the opportunity to explore exciting new research avenues and will appreciate being asked. Getting to know them will also make the application process seem less daunting to you. If you are asked for a research proposal, a word limit is normally specified: this can vary enormously. The research statement (or statement of research interests) is a common component of academic job applications.



Complex computer networks have played a tremendous role in the world of computer science. Different networks have become a huge part of our everyday life. We even say that we can no longer imagine a world without the Internet and social media sites such as Facebook. Since these modern networks are generally inherent technologically speaking, and involves either social or economic interactions in between nodes, it is important to implement models and theories from various fields in order to study them. However, what many people do not know is that these modern networks have somewhat infiltrated the kind of society that modern humans have. As a postdoctoral researcher at AAA University, I have worked on this current line of study with the use of a large scale data analysis system. Along with my coauthors, I have analyzed how a local neighborhood of a specific person can influence his or her behavior. At a more specific level, we have also compared the possibility in which a person will also adopt the same behavior provided that his or her neighbors have also adopted such behavior. This work will focus on gauging the influence that comes as a result of people engaging in individual communication in relation towards the behavior of the people in the population which is similar to the individual being studied. This research also involves analyzing details coming from various sources, including online portals. As a summary, the intertwining of social network economics and theory offers an updated new area for research filled with unexplored and well-motivated directions for research. It has only been recently that it has also become feasible to gather huge data sets which will be used in this study. The intersection of social network theory, computer science, as well as economics is now ready for exploration, and the agenda of my research is just about to explore that area.

Research Fellowship.net

It is a summary of your research accomplishments, current work, and future direction and potential of your work. The statement can discuss specific issues such as: funding history and potential requirements for laboratory equipment and space and other resources potential research and industrial collaborations how your research contributes to your field future direction of your research The research statement should be technical, but should be intelligible to all members of the department, including those outside your subdiscipline. So keep the "big picture" in mind. The strongest research statements present a readable, compelling, and realistic research agenda that fits well with the needs, facilities, and goals of the department. Research statements can be weakened by: overly ambitious proposals lack of clear direction lack of big-picture focus inadequate attention to the needs and facilities of the department or position Why a Research Statement? It conveys to search committees the pieces of your professional identity and charts the course of your scholarly journey. It communicates a sense that your research will follow logically from what you have done and that it will be different, important, and innovative. It gives a context for your research interests—Why does your research matter? The so what? It combines your achievements and current work with the proposal for upcoming research. Helps hiring committees assess: areas of specialty and expertise potential to get funding academic strengths and abilities compatibility with the department or school ability to think and communicate like a serious scholar and/or scientist Formatting of Research Statements The goal of the research statement is to introduce yourself to a search committee, which will probably contain scientists both in and outside your field, and get them excited about your research. To encourage people to read it: make it one or two pages, three at most use informative section headings and subheadings use bullets use an easily readable font size make the margins a reasonable size Organization of Research Statements Think of the overarching theme guiding your main research subject area. Write an essay that lays out: The main theme(s) and why it is important and what specific skills you use to attack the problem. A few specific examples of problems you have already solved with success to build credibility and inform people outside your field about what you do. A discussion of the future direction of your research. This section should be really exciting to people both in and outside your field. Don't sell yourself short; if you think your research could lead to answers for big important questions, say so! A final paragraph that gives a good overall impression of your research. Writing Research Statements Style: Avoid jargon. Make sure that you describe your research in language that many people outside your specific subject area can understand. Ask people both in and outside your field to read it before you send your application. A search committee won't get excited about something they can't understand. Write as clearly, concisely, and concretely as you can. Keep it at a summary level; give more detail in the job talk. Ask others to proofread it.

Research statement and proposal Amir Ronen

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1 Research statement

Over the past fifty years, computer science was based on theoretical models which originated from Von Neumann (or alternatively Turing) and computer science theory was built mainly on the foundations of logic and combinatorics. In recent years we are witnessing a fascinating phenomenon which requires a radically different way of thinking, namely, the emergence of applications and environments that involve strong socio-economic aspects. The examples are numerous, including electronic commerce and economics in general, the design of wide area networks, multi-agent systems and a large number of Internet applications. Problems that stem from such applications are very different from traditional algorithmic problems as the behavior of the participants in these applications is determined by their *own* goals and not by the instructions of the designer. From a technical point of view, these problems require the fusion of methods from both computer science and game theory (and micro-economics) and above all, a novel set of tools and ideas. Currently, very little is known about such problems and their understanding is a fascinating and deep challenge.

2 Past and future research

My Ph.D. dissertation focuses on optimization problems that arise among self interested participants. The work contains two major parts and was done in collaboration with professor Noam Nisan. The first part develops a general framework for presenting and analyzing such problems. This framework is based on a sub-field of game theory and micro economics called mechanism design, as well as on basic notions of theoretical computer science such as approximation. It shows that many problems, natural to computer science, cannot even be approximated by the standard tools of mechanism

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PHD research statement

The future of biology as well as biomedicine simply lies at the standard intersection of data collection, hypothesis testing and hypothesis generation. It is generally easy to collect together huge amounts of relevant data. However, the interpretation of data, as well as the connection of data to potentially downstream hypothesis driven tests is still rare and difficult. This can be done by efficiently integrate large scale data analysis with biology needs the development of new tools and new perspectives, as well as their integration along with modern research programs. It also needs scientists who are immersed with biology who are expert in computations. My research study focus on the available opportunities located at the boundaries of biology and computation. Particularly, I am deeply interested in allowing and performing data intensive biology, where I can possibly create tools, approaching barriers with large investigator driven data in order to direct hypothesis-free interpretation and hypothesis-driven experimentation.

I have spent a total of 20 years in applying effective computation to pressing problems. At this point, I have efficiently worked in data analysis fit for climate studies, evolutionary modeling, regulatory genomics, bioinformatics, as well as developmental gene regulatory networks. My post-doctoral and graduate work in evolutionary developmental biology heavily computation to create hypotheses in a wide array of biological systems, including chick, sea urchin, microbes as well as marine sediment microbial communities. On top of that, in all of these areas that I have closely worked on, I worked together with experimentalists in order to connect experiment to hypothesis. Over the succeeding decade, I will keep on working on essential biological problems with the use of collaboration and computation. For future research, I will continue when working on various problems which are directly related to my current research. These are all related to challenges in terms of next-generation sequencing.

 Research Statement.com

Content: Convince the search committee not only that you are knowledgeable, but that you are the right person to carry out the research. Include information that sets you apart (e.g., publication in Science, Nature, or a prestigious journal in your field). What excites you about your research? Sound fresh. Include preliminary results and how to build on results. Point out how current faculty may become future partners. Acknowledge the work of others. Use language that shows you are an independent researcher. BUT focus on your research work, not yourself. Include potential funding partners and industrial collaborations. Be creative! Provide a summary of your research. Put in background material to give the context/relevance/significance of your research. List major findings, outcomes, and implications. Describe both current and planned (future) research. Communicate a sense that your research will follow logically from what you have done and that it will be unique, significant, and innovative (and easy to fund). Describe Your Future Goals or Research Plans Major problem(s) you want to focus on in your research. The problem's relevance and significance to the field. Your specific goals for the next three to five years, including potential impact and outcomes. If you know what a particular agency funds, you can name the agency and briefly outline a proposal. Give broad enough goals so that if one area doesn't get funded, you can pursue other research goals and funding. Identify Potential Funding Sources Almost every institution wants to know whether you'll be able to get external funding for research.

STATEMENT OF PURPOSE
FOR INTERNSHIP

Being born into an era rife with technology, I have come to realize that it is an integral part of the present and the future. Since I was young, I have been taking apart electronics, trying to see how they worked, and eventually creating my own. With the availability of motherboards and programmable AIs, I have been able to endow my creations with motion and the ability to carry out commands. My experiences working and studying in the engineering field have contributed greatly to my continued interest in robotics, and I hope that this statement of purpose for internship sample will demonstrate my qualifications for an internship in the field.

As an amateur robotic engineer, I have taught myself many aspects of programming and construction, entering into multiple competitions. Perhaps my most memorable one was in 2013, where my friends and I teamed together to undertake a project that involved entering the realm of chemistry and biology – something that none of us were familiar with. Through research and consulting others in the field, we were able to create a robot that could identify several types of recyclable items, collecting and breaking them down as it traveled. This experience demonstrated to me the importance of cross-disciplinary collaboration, as well as the need to create things that would solve worldwide issues.

This internship would be an excellent opportunity for me to continue to hone my skills in the field of robotics, receiving formal training in many of the concepts and programming techniques necessary for work in the industry. I look forward to working on projects with relevance to human society and marketing need, which will give me sought-after skills that will enable me to enhance my career. As an aspiring future roboticist, this internship will give me the opportunity to network with others in the field and generate new innovation in the field.

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Try to provide some possible sources of funding for the research, such as NIH, NSF, foundations, private agencies. Mention past funding, if appropriate. Be Realistic There is a delicate balance between a realistic research statement where you promise to work on problems you really think you can solve and over-reaching or dabbling in too many subject areas. Select an over-arching theme for your research statement and leave miscellaneous ideas or projects out. Everyone knows that you will work on more than what you mention in this statement. Consider Also Preparing a Longer Version A longer version (five-15 pages) can be brought to your interview. (Check with your advisor to see if this is necessary.) You may be asked to describe research plans and budget in detail at the campus interview. Be prepared. Include laboratory needs (how much budget you need for equipment, how many grad assistants, etc.) to start up the research. Samples of Research Statements To find sample research statements with content specific to your discipline, search on the internet for your discipline + "Research Statement."