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# Personal Background

| Biographical | |
|---|---|
| **First Name** | Xiaoqin |
| **Last Name** | Feng |
| **Sex** | Female |
| **Birthdate** | 09/21/1994 |
| **Birthplace** | Suining, China |
| **Contact** | |
| **Email** | fengxqinx@gmail.com |
| **Phone** | +86 130 0107 5577 |
| **Mobile** | +86 130 0107 5577 |
| **Mailing Address** | Bojin Apartment, Wuzhong District<br>Suzhou, Jiangsu 215008<br>China |
| **Permanent Address** | Bojin Apartment, Wuzhong District<br>Suzhou, Jiangsu 215100<br>China |
| **Citizenship** | |
| **Citizenship Status** | Foreign National |
| **Primary Citizenship** | China |
| **Ethnicity** | |
| **Hispanic** | No |
| **Race** | A |

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# Other Names

| Form Title | Other Names |
|---|---|
| **Other Names** | |
| **Will we receive records for you under any other name(s)?** | No |

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# Optional Information

| | |
|---|---|
| **Form Title** | Additional Optional Information |

### Additional Gender Information

| | |
|---|---|
| **Preferred Personal Pronoun** | She/Her/Hers |
| **Gender Identity** | Woman |

### AdvantageVT

| | |
|---|---|
| **Are you applying as an AdvantageVT graduate student applicant? ? Applicants who meet all Virginia Tech graduate admission requirements except the minimum language test scores, may be eligible for the .Advantage VT Pathway ProgramAdvantageVT program** | No |

### Previous Virginia Tech Affiliation

| | |
|---|---|
| **Have you ever registered or taken a class at Virginia Tech (undergraduate, graduate and/or non-degree)?** | No |
| **Are you a Virginia Tech employee?** | No |
| **Are you a applying as an ?currently enrolled Virginia Tech undergraduate studentaccelerated undergrad/graduate or dual student applicant** | No |

### Appalachia Background

| | |
|---|---|
| **Is your father from an Appalachia county?** | No |
| **Is your mother from an Appalachia county?** | No |
| **Were you born in an Appalachia county/city?** | No |
| **Did you graduate high school from an Appalachia county/city?** | No |

### Other Optional Information

| | |
|---|---|
| **Do you have a documented disability?** | No |
| **Are you a first-generation college student?** | Yes |

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# Domicile Information

| | |
|---|---|
| **Form Title** | Domicile Information |

**Citizenship ?**
**If you are a not a U.S. citizen or permanent resident, please select " Non-U.S. Citizen (Visa Required)",**
**then specify the visa status you currently hold, which may be "I do not have a Visa at this time" or**
**any legal non-immigrant status in**

| | |
|---|---|
| **Citizenship Status** | Non-Resident Alien |
| **Current Visa Status** | I do not have a Visa at this time |

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# Military Service

| | |
|---|---|
| **Form Title** | Military Service |
| **Are you currently or have you ever been a member of a U.S. or foreign country's military or defense agency?** | No |

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# Current Employment

| | |
|---|---|
| **Form Title** | Current Employment |
| **Current Employer** | |
| **Are you currently employed?** | Yes |
| **Position/Title** | Senior Speech Algorithm Engineer |
| **Hire Date** | 07/08/2019 |
| **Employer Name** | Mobvoi |
| **Address (line 1)** | Bojin Apartment, Wuzhong District |
| **City** | Suzhou |
| **Postal Code** | 215100 |
| **Country** | China |

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# Financial Assistance

| | |
|---|---|
| **Form Title** | Financial Assistance |
| **Do you wish to be considered for a graduate assistantship or fellowship?** | Yes |

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# Academic History

| **Graduate #1** | |
|---|---|
| **Institution** | Beijing University of Technology (UNK) |
| **Dates of Attendance** | 09/2016 - 07/2019 |
| **Location** | Beijing, Beijing, China |
| **Primary Language is English** | No |
| **Degree** | Master of Science: 07/2019 |
| **Major** | Computer Science & Applications |
| **GPA** | 86 / 100 |
| **Undergraduate #1** | |
| **Institution** | Southwest Minzu University (UNK) |
| **Dates of Attendance** | 09/2012 - 07/2016 |
| **Location** | Chengdu, Sichuan, China |
| **Primary Language is English** | No |
| **Degree** | Bachelor of Engineering: 07/2016 |
| **Major** | Computer Science & Applications |
| **GPA** | 3.66 / 4 |

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# Educational Experience

| | |
|---|---|
| **Form Title** | Additional Educational Experiences |
| **Leadership** | Leadership |
| **Describe your leadership experiences.** | During college, I was the League Secretary in my class for four consecutive years, where I organized several public activities such as the "Talking Show", "Formal Presentation", "Community Service", and my favorite show-"Singing Aloud". I have been honored by committees of the university as an Outstanding Secretary of the Youth League.<br>I am a mentor for an annual average of three interns in Mobvoi AI Lab, and I lead several modules of construction and optimization with my interns and colleagues. |
| **Personal and/or professional ethics** | Personal and/or professional ethics |
| **Describe your experience with personal and/or professional ethics.** | I can be responsible for my work and life. For personal ethics, I have honesty, openness, and a sense of responsibility, making me obtain a more meaningful and colorful life. For professional ethics, I cultivated carefulness, persistence, consideration, and responsibility in my work, making my values and dreams come true as I hope to contribute to my research field. |
| **Recognition of achievements over time (i.e. academic awards, scholarships, certificates)** | Recognition of achievements over time |
| **List any recognition of achievements over time.** | [1] Senior Speech Algorithm Engineer, 2019~present, Mobvoi AI Lab, China<br>[2] TAL AI Lab, Outstanding Intern, as a research Intern, 2018, China<br>[3] Ali Tianchi Competition Sep. 2018, Good,19/2845, China<br>[4] Outstanding Secretary of the Youth League Scholarship, 2014, Southwest Minzu University, China<br>[5] Annual Excellent Student Innovative Project Sep. 2013, Southwest Minzu University, 2nd Award, China |
| **Research/scholarship** | Research/scholarship |
| **Describe your prior research/scholarship experiences.** | Scholarship<br>[1] National Scholarship Sep. 2016, Southwest Minzu University, China<br>[2] Outstanding Student Scholarship Jun. 2013, Jun. 2014, Southwest Minzu University, China<br>Research experiences<br>[1]Mobvoi AI Lab, Senior Speech Engineer. I working as a mentor (3 interns), co-developer, and researcher. Key results: (1) online server application (algorithm interface) (1000K+users) (2) one regular staff opportunity for my intern (3) co-author submission to PRML (intern) + five patents (4) first-author submission to ICASSP + two patents(reviewing), 2019 - Present<br>[2] TAL AI Lab, Algorithm Research Intern, I did research on deep knowledge tracing based on question-answer series. I worked as a researcher. Key results: (1) Outstanding Intern (2) regular staff opportunity (3) co-author submission to AIED (with Ph.D. Wang), 2018<br>[3] DeeCamp AI Lab, Research Team Member, I did research on 'Movie Recommendation based on Knowledge Graph'. I cooperated with two Ph.D. three M.Sc. as a team member. Key results: (1) Excellent Team (2) Internship opportunity, 2018<br>[4] TAL FutureCamp AI Lab, Research Team Member, I did research on 'Recommendation System for Movie' as a team member. Key results: (1) |

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# Educational Experience (continued)

Internship opportunity,2018

[5] Ali Tianchi Competition, Competitor, our topic was predicting user's current store location based on user consumption data(one million+) and I was one of the team member. Key results: (1) Preliminary: 52/2845, Final:19/2845, 2017

**Additional Experience**

Additional Experience

**Describe any additional experiences that you would like to share in your application.**

I actively participated in extracurricular activities, such as ACM programming, BigData Competition, DeeCamp AI Lab, and TAL AI Lab, where I enhanced my academic knowledge and met several excellent researchers and Ph.D. students.

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# Program of Study

| | |
|---|---|
| **Form Title** | Program Selection (23) |
| **Please select a Program** | Computer Science & Applications |
| **Please select a Program Option:** | VT Degree |

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# CSA Information

| | |
|---|---|
| **Form Title** | Computer Science & Applications Program Information |
| **Full or Part Time Enrollment** | Full Time (9 or more hours per semester) |
| **Please select a Degree Type** | Doctor of Philosophy |
| **Please select a Campus** | National Capital Region (D.C.) |
| **Intended Start Term** | Fall 2023 |

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# CSA Supplemental

| | |
|---|---|
| **Form Title** | Computer Science and Applications Phd MS Supplemental |

## National Science Foundation Research Traineeship (NRT) in Combating Antimicrobial Resistance

| | |
|---|---|
| **Are you interested in the (NRT) program?Combating Antimicrobial Resistance National Science Foundation Research Traineeship** | No |

## CS Proficiency

| | |
|---|---|
| **If you do not have an undergraduate degree in computer science or a closely related field, describe your CS-related coursework. You can also describe work-related experience with object oriented design, Java programming and data structures concepts.** | During college, I actively participated in extracurricular activities, such as ACM programming, BigData Competition, DeeCamp AI Lab, and TAL AI Lab, where I enhanced my academic knowledge and programming skills. Now, I am a Senior Speech Algorithm Engineer at Mobvoi AI Lab(2019~Present). My working area is text-to-speech(TTS), where I primarily focus on text information extraction. I work as a mentor, researcher, and developer, enhancing professional skills and research experience. Please refer to my web for more detail: https://xqfeng-josie.github.io/. |

## Area of Research Interest

| | |
|---|---|
| **First Area of Interest:** | Natural Language Processing |
| **Second Area of Interest:** | Machine Learning |
| **Third Area of Interest:** | Data and Text Mining |

## Faculty Research

| | |
|---|---|
| **Faculty 1:** | Wang, Xuan |
| **Faculty 2:** | Huang, Lifu |
| **Faculty 3:** | Zhou, Dawei |

## Research Achievements

| | |
|---|---|
| **List any research publications for which you are an author or co-author. Include any thesis or dissertation you might have completed, and any journal or conference papers (be sure to indicate the publication status, whether in preparation, submitted, accep** | Proceedings<br>[1] Feng X, Xie R, Sheng J, et al. Population statistics algorithm based on MobileNet. Journal of Physics: Conference Series. IOP Publishing, 2019(ICSP'19), 6 pages. published.<br>[2] Wang Z, Feng X, Tang J, et al. Deep Knowledge Tracing with Side Information. International conference on artificial intelligence in education. Springer, Cham, 2019(AIED'19), 5 pages. published.<br>[3] Rong Xie, Feng X A method of quick edge detection based on Zynq. International Conference on Cloud Computing and Internet of Things, 2018(CCIOT'18), 5 pages. published.<br>[4] Sheng J, Feng X Research on the Internet of Things Platform for Smart and Environmental Protection. International Conference on Cloud Computing and Intelligence Systems, 2018(CCIS'18), 5 pages. published.<br>[5] Zhang J, Feng X, Chen Y, et al. Prosody Prediction With Discriminative Representation Method. International Conference on Pattern Recognition and Machine Learning, 2022(PRML'22), 5 pages. published.<br>[6] Chi W, Feng X(*euqal contribution), Chen Y, et al. Stress Prediction Based on Multi-Granularity Linguistic Knowledge. IEEE International Conference on Acoustics, Speech and Signal Processing International Conference on Pattern |

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# CSA Supplemental (continued)

Recognition and Machine Learning, 2023(ICASSP'23), 5 pages. submitted.

Patents
• FENG XIAOQIN, LEI XIN, LI ZHIFEI. Polyphone labeling method and device, and computer readable storage medium. Mobvoi(algorithm),2019,CN111078898A
• FENG XIAOQIN, LEI XIN, LI ZHIFEI. Speech synthesis method and device and computer readable storage medium. Mobvoi(algorithm),2020,CN110970013A
• FENG XIAOQIN, LI NA, LEI XIN, LI ZHIFEI. Polyphone labeling method and device, and computer readable storage medium. Mobvoi(application),2020,CN111145724A
• other 2 co-patents: CN111079428A, CN111178042A

## Research Experience and Plans

**Describe any experience you have had that has prepared you for a research-oriented graduate program. Include (1) a brief description of any experiences you have had that indicate your suitability for doing independent research at the graduate level; (2) a**

1. What I prepare for my future research?
[Jul. 2019 - Present] Mobvoi AI Lab, Senior Speech Engineer, I have mainly been focused on text information extraction of text-to-speech on multi- and cross-lingual domain, including semantic NLP and emotional NLP. I working as a mentor (3 interns), co-developer, and researcher. Key results: (1) online server application (algorithm interface) (1000K+users) (2) one regular staff opportunity for my intern (3) co-author submission to PRML (intern) + five patents (4) first-author submission to ICASSP + two patents(reviewing).
[Aug. 2018 - Dec. 2018] TAL AI Lab, Algorithm Research Intern, I did research on deep knowledge tracing based on question-answer series. I worked as a researcher. Key results: (1) Outstanding Intern (2) regular staff opportunity (3) co-author submission to AIED (with Ph.D. Wang).
[Jun. 2018 - Aug. 2018] DeeCamp AI Lab, Research Team Member, I did research on 'Movie Recommendation based on Knowledge Graph'. I cooperated with two Ph.D. three M.Sc. as a team member. Key results: (1) Excellent Team (2) Internship opportunity
[Jul. 2018 - Aug. 2018] TAL FutureCamp AI Lab, Research Team Member, I did research on 'Recommendation System for Movie' as a team member. Key results: (1) Internship opportunity
[Sep. 2017 – Dec. 2017] Ali Tianchi Competition, Competitor, our topic was predicting user's current store location based on user consumption data(one million+) and I was one of the team member. Key results: (1) Preliminary: 52/2845, Final:19/2845
[Sep.2014 – Jul.2019] Master's Study on Software Engineer
[Sep.2012 – Jul.2016] Master's Study on Computer Science.

2. Which graduage degree? I am applying for Ph.D. in computer science.
3. Why I choose Virginia Tech? Virginia Tech is a perfect fit for me because of its strong computer science program and research group. Moreover, several professors' research interests align with mine as I studied some of their public results. I want to further my advanced research at VT with excellent researchers, and its lively cultural and academic atmosphere attracts me.

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# Recommendations

| **Reference #1** | |
|---|---|
| **Name** | Yunlin Chen |
| **Organization** | Mobvoi |
| **Title** | Technical Director |
| **Relationship** | Employer & Supervisor |
| **Phone** | +86 185 5698 8875 |
| **Email** | yunlinchen@mobvoi.com |
| **Name Displayed to Recommender** | Xiaoqin Feng |
| **Waiver** | FERPA ACCESS WAIVER: Under the Family Educational Rights and Privacy Act of 1974, a student enrolled at Virginia Tech has access to his or her academic records. We comply with this law, while still allowing the student the option of waiving the right to access specific documents. Waiving this right does not preclude you from access to the rest of your academic records If you wish to waive the right to examine these evaluations at a later date, please indicate below. Your choice will not affect the consideration of your application to Virginia Tech. |
| **Waiver Response** | I waive my right to access this report. |
| **Waiver Signature** | Xiaoqin Feng |
| **Recommendation Requested** | 12/08/2022 |
| **Recommendation Submitted** | 12/10/2022 |
| **Reference #2** | |
| **Name** | Dr. Changkun Ou |
| **Organization** | LMU Munich |
| **Title** | Ph.D. candidate |
| **Relationship** | Alumni |
| **Phone** | +49 1577 2142480 |
| **Email** | changkun.ou@ifi.lmu.de |
| **Name Displayed to Recommender** | Xiaoqin Feng |
| **Waiver** | FERPA ACCESS WAIVER: Under the Family Educational Rights and Privacy Act of 1974, a student enrolled at Virginia Tech has access to his or her academic records. We comply with this law, while still allowing the student the option of waiving the right to access specific documents. Waiving this right does not preclude you from access to the rest of your academic records If you wish to waive the right to examine these evaluations at a later date, please indicate below. Your choice will not affect the consideration of your application to Virginia Tech. |
| **Waiver Response** | I waive my right to access this report. |
| **Waiver Signature** | Xiaoqin Feng |
| **Recommendation Requested** | 12/08/2022 |

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# Recommendations (continued)

| | |
|---|---|
| **Recommendation Submitted** | Not Submitted |

### Reference #3

| | |
|---|---|
| **Name** | Dr. Zhiwei Wang |
| **Organization** | LinkedIn Corporation |
| **Title** | Senior Software Engineer |
| **Relationship** | Research Advisor |
| **Phone** | +1 517-775-9958 |
| **Email** | zhiwwang@linkedin.com |
| **Name Displayed to Recommender** | Xiaoqin Feng |
| **Waiver** | FERPA ACCESS WAIVER: Under the Family Educational Rights and Privacy Act of 1974, a student enrolled at Virginia Tech has access to his or her academic records. We comply with this law, while still allowing the student the option of waiving the right to access specific documents. Waiving this right does not preclude you from access to the rest of your academic records If you wish to waive the right to examine these evaluations at a later date, please indicate below. Your choice will not affect the consideration of your application to Virginia Tech. |
| **Waiver Response** | I waive my right to access this report. |
| **Waiver Signature** | Xiaoqin Feng |
| **Recommendation Requested** | 12/08/2022 |
| **Recommendation Submitted** | Not Submitted |

### Reference #4

| | |
|---|---|
| **Name** | Lei Xie |
| **Organization** | Northwestern Polytechnical University |
| **Title** | Head of ASLP@NPU, Senior Member IEEE, Associate Editor, IEEE/ACM |
| **Relationship** | Research Advisor |
| **Phone** | +86 135 7229 8665 |
| **Email** | lxie@nwpu.edu.cn |
| **Name Displayed to Recommender** | Xiaoqin Feng |
| **Waiver** | FERPA ACCESS WAIVER: Under the Family Educational Rights and Privacy Act of 1974, a student enrolled at Virginia Tech has access to his or her academic records. We comply with this law, while still allowing the student the option of waiving the right to access specific documents. Waiving this right does not preclude you from access to the rest of your academic records If you wish to waive the right to examine these evaluations at a later date, please indicate below. Your choice will not affect the consideration of your application to Virginia Tech. |
| **Waiver Response** | I waive my right to access this report. |
| **Waiver Signature** | Xiaoqin Feng |

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# Recommendations (continued)

| | |
|---|---|
| **Recommendation Requested** | 12/08/2022 |
| **Recommendation Submitted** | 12/10/2022 |

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# Document Upload

| Form Title | Documents Upload |
|---|---|

### Attach Resume/CV

| **Please provide a current resume outlining your most recent experiences or by listing those that are most relevant to your application.**<br>**The resume should include :**<br> **send/include paper-copies of individual achievement certificates. Please list these on the r** | Uploaded 12/10/2022 |
|---|---|

### Personal Statement

| | Uploaded 12/11/2022 |
|---|---|
| **Applicants are asked to provide a 1 - 2 page, double-spaced personal statement which includes the following:**<br> **send a paper copy of this statement to the department.Why do you want to undertake graduate work?Why do you qualify to pursue a graduate degree a** | |
| **send a paper copy of this statement to the department.Please attache a 1-2 page, double-spaced personal statement that addresses each of the following:Why do you want to undertake graduate work?What do you expect to derive from your program of study?Pleas** | Uploaded 12/11/2022 |
| **The personal statement must be professionally-written in essay format and address the questions outlined on the program website. It may not exceed 1200 words and recommended fonts are Times New Roman, Arial, or Calibri, size 11 or 12.** | Uploaded 12/11/2022 |
| **Applicants are asked to provide a 1 - 2 page, double-spaced personal statement which** | Uploaded 12/11/2022 |

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# Document Upload (continued)

| | |
|---|---|
| **includes the following: send a paper copy of this statement to the department.Why do you want to undertake graduate work?Why do you qualify to pursue a graduate degree a** | |
| **In preparing your statement of academic and professional goals, please prepare a 3-page document that addresses the following. For specific guidelines, please contact Annabelle Ombac - aombac@vt.edu. Primary goals in pursuing this Ph.D. degree (1/2 page)Ac** | Uploaded 12/11/2022 |
| **send a paper copy of this statement to the department.Please provide a 2-3 page, double-spaced, personal statement which includes the following:Where do you see yourself in ten years?Do you have a concentration or specific interest in mind?Why do you want** | Uploaded 12/11/2022 |
| **send a paper copy of this statement to the department.Applicants are asked to provide a 2-3 page, double-spaced personal statement which includes the following:Where do you see yourself in ten years, and specifically, how will a PhD in Counselor Education** | Uploaded 12/11/2022 |
| **Other Optional Documents** | |
| **Select the optional miscellaneous material(s) below that you would like to upload** | TOEFL Score Report |
| **TOEFL Score Report** | Uploaded 12/11/2022 |

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# Community Standards

| | |
|---|---|
| **Form Title** | Additional Required Information |
| **Community Standards** | |
| | Yes |
| **Have you ever been:** | |
| **Suspended, expelled, dismissed, or subject to disciplinary action from any school? *** | No |
| **Are you currently:** | |
| **On probation or suspension (academic or honor) at any high school, college, or university? *** | No |

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**Signature**

| Certification | |
|---|---|
| **Signature** | Xiaoqin Feng |
| **Date** | 12/07/2022 |