

Subject: USTC Undergraduate Seeking Admission to International Graduate Program

称呼:

Dear Prof. Kentaro,

第一段：简要介绍自己，说明来意

I hope this email finds you well. My name is Zhen Xu, and I am currently a final-year undergraduate student at the University of Science and Technology of China (USTC) majoring in Electronics Science and Technology. I am writing to express my interest in your research and to inquire about potential opportunities to pursue a Master's degree in your lab via International Graduate Program (IGP). I am scheduled to graduate in July 2025, and I hope to begin my master's studies in your laboratory starting from the Fall semester of 2025 at Keio University.

第二段：看网站的publication，他在哪方面很专业，我对哪方面感兴趣，我的专业课知识可以对这部分的研究有用

Having thoroughly reviewed the website of your lab and your publications, I found that you are a professional in Analog Circuits Design. I am particularly interested in your research area of LiDARs. The latest paper on your website about LiDAR SoC really impressed me. As a student majoring in Electronics Science with plenty of knowledge and experience in Analog Circuits, I believe I can be helpful in these research areas of yours.

第三段：介绍自己，gpa，成绩，托福GRE，rank，这很卓越

I have maintained a strong academic record, achieving a GPA of 3.42/4.3 and a weighted average score of 85/100. Additionally, I have obtained a TOEFL score of 106 and a GRE score of 323 (with a writing score of 3.5). I am currently ranked 23rd out of 75 students among my peers at USTC, which I consider an outstanding achievement given USTC's rigorous academic environment and global reputation.

第四段：编程技巧、我学过哪些课程掌握了什么知识

In terms of programming skills, I am proficient in various programming tools and languages, including but not limited to MATLAB, C++, and Verilog HDL. I have applied these skills in several projects, gaining practical experience and solving real-world problems.

Regarding my coursework, I have completed core courses in Circuits Design, such as Design of Analog Integrated Circuits, Digital Integrated Circuits Design, Linear Electronic Circuits, and Nonlinear Electronic Circuits. These courses prepared me well to solve problems in my future research fields.

第五段：设计方面：我在课程实验中做了什么；工艺方面：我曾经做了什么。在这些经历中我获得了足够的经验。

During my undergraduate studies, I have gained significant practical experience. For example, in digital circuits, I designed an Integer Square Root Circuit, while in analog circuits, I completed the design and application of an Operational Amplifier. In terms of semiconductor fabrication processes, I conducted research at USTC's Integrated Nanoelectronics and X-Computing Lab on the manufacture and properties of MoS₂. I also explored ways of enhancing its interface properties using hexagonal BN.

第六段：将来我还会完整地做一个哪个方向的模拟芯片，在我做完之后会很有经验，会对你的研究有帮助

In the final year of my undergraduate studies, specifically from August this year to April next year, I will independently design, fabricate, and obtain a functional chip for a Bandgap Reference. This will provide me with comprehensive hands-on experience in the entire process of analog chip manufacture.

第七段：资金充足

Regarding funding, I have stable financial support and am prepared to be self-funded.

第八段：问候，结尾

My CV and transcripts are also attached to this email. I would greatly appreciate the opportunity to discuss potential research topics and how my background may align with your current projects. Please let me know if there is a convenient time for you to have a conversation, or if there are any additional materials you would like me to provide.

第九段：期待以后

Thank you very much for considering my application. I look forward to the possibility of working with you and contributing to your research group.

结束语：

Best regards,

Zhen Xu

2024/07/23