Growing up in a family which generation that firstly owns a computer at home in China in 1990s, I enjoy the company of computers. The DOS system console games and the birth of Internet really gave me big impression. I won the first prize in the Website Designed Game of Xiamen City when I was fourteen. I think it was the beginning of my journey of programing exploration. I chose computer science as my major in Xiamen University. Through four years studies, I have a comprehensive understanding of computer programing. At the same time, I explored various fields, from math, physics, electronics to literature, music, photograph etc. During this period, I have used a lot of software, it made me realized that good software, on one hand, bringing efficiency to people’s works, on the other hand, some of them can be improved to better meet the need of people, thus I wrote several plugins to some of them, made them better for using. I admired master Knuth, he can cut through complexity and present ideas concisely, he improved existing tools and developed new ones, the “Tex” designed by him was so beautiful, that’s why I used it to compose this passage. I want to be someone like him, who streamlined repetition, helped others, made lives better.

With such ideas, I pay more attention to the problems of daily life and work, whether can they be solved by programing. For example, “Weibo”, known as the “twitter” in China, it lacking the functions such as deleting in batches, customized queries and etc. Which was so inconvenience, prompting me to write a plugin to supplement them by using python. In junior summer vacation, I attended the Lab of Database System and in charge of Personnel Management System for a local company, I used the Jsp, Servlet and Mysql to accomplish it, I also responsible for some works of the People’s Court Case Management System, learning the C# by myself and put it into practice. That’s the first time what I made applied to others’ lives, which gave me the satisfaction of doing something worthwhile. Through the practice, my major grades also improved by profound understanding knowledge I learned. My software architecture course acquired the only full marks of my class, my fourth year grades ranked NO.3 out of 180 students. Besides, I won First Class scholarships of Xiamen University when I graduated.

As deeper study, I realized that aesthetics play a crucial role in the software programing. Software not only emancipated us from the extremely trivial, but also offered a sense of beauty during the interaction. Write elegant software was a kind of enjoyment, coding for fun was also a faith I appreciated. Furthermore, along with the combination of art and technology, traditional aesthetics can integrate with the modern technology either. I chose the topic Automatic generation algorithm to metaphor sentence of Chinese poem as my graduation project. It was difficult in addressing numerous materials, finding the most appropriate language model and calculating emotion. Through four months’ study, I read a lot of articles and finally decided to use the n-grams language model and modified Kneser-Ney interpolated method, trained about thirty thousands sentences. By combined the Maximum Likelihood Estimation, Genetic algorithm and elements of Chinese poems, including the rhymed and antithetic, the application can auto write the verse sentence which contain metaphor.

With a love of computer science, I accepted the recommended for admission to graduate school in Xiamen University(Top 15%). During this time, my field is digital image processing, I was fascinated by the somatosensory system, I used the Kinect to collect the depth and color data, tried out some methods to improve the image recognizing and tracing algorithms, the experiments and papers are in progress. In my graduate study, my mentor Mr.Li inspired me a lot about programing. He guided me about learning more efficiency and got in touch with plenty of new technology. Under his instruction, I learned the WPF and used it in to the Luoyuan Bay Total Pollutant Discharge Control Decision Support System, I tried and gain the balance between productivity and beauty, I learned the Lisp, shocking by this language as it’s elegant and miniscule, I also watched the open courses such as the iPhone Development from the Standford, I am working a application with my friend now, it’s about the “beauty of foods”, we hope it can be the kind of application not only meet the people’ need, but also lead people to a more comfortable and reasonable software using habits.

I like keeping learning new things and put them into practice, I want to well digest the knowledge and improved my major ability step by step. The past experiences led me known that I want to be a software engineer in my future career. I wish that I would be able to advance my career through training in your esteemed program. I assure you of my sincerity, dedication, and spirit of hardworking in pursuing my objectives. And I am looking forward eagerly to favorable reply from you regarding both admission and financial aid.

生长在中国90年代第一批拥有电脑的家庭,我从小在计算机的陪伴下成长,DOS系统,单机游戏,初诞生的互联网都给我留下了深深的印象.在我14岁的时候,我获得了厦门市网页设计比赛的一等奖,我想这大概是开启我编程探索之旅的起点.我在大学里选择了计算机作为我的专业,在大学四年的学习中,奠定了良好专业技术基础.与此同时,我广泛接触各个领域的知识,熟练掌握数学,物理,电子等知识,也涉猎文学,钢琴,摄影等领域.期间,我使用过各种各样的软件,我意识到,一款好的软件可以极大地帮助人们提高工作效率,但同时我也发现,很多软件都有可以改进的地方,也写过一些插件优化工作.我敬仰像大师KUNTH那样的人,化繁为简,创造工具,探索未知,精益求精.他设计的LATEX如此优美,此次我的文章也是使用其排版的.我想,我也希望通过自己的力量,优化自己的工作,提供别人服务,让世界充满美好.

秉持着这样的念头,我在平时的学习生活中就注意思考,哪些问题,是可以通过程序优化的.由于微薄的操作很不方便(缺少批量删除,自定义查询等功能),我利用PYTHON为微薄写了一个小插件以方便自己的使用.在大三的暑假,我有幸参加了数据库实验室的几个项目,我使用Jsp,Servlet,和Mysql技术完成了一个企业的员工岗位管理系统,我也自学C＃完成了人民法院案件管理系统中的一部分,这是第一次我制作的程序投入到人们的实际生活中,方便了他们的工作,我觉得十分满足.随着我熟练运用了所学到的技术,我的成绩也稳步的提升,我的软件架构课程获得了全班唯一的满分,我的大学最后一年的成绩是TOP 3 of 180,并且在毕业时获得了校一等奖学金.

在程序设计中,我一直相信美学是一件非常重要的事.软件不仅将人们从琐事中释放出来,也为使用者在交互操作的同时提供了一种美的体验.编写一个优美的软件是一种享受,一种乐趣.(coding4fun).软件设计也可以与传统美学结合,因此,我选择了"中国诗歌隐喻句的自动生成"作为我的毕业设计题目,该题目的难点在于如何生成一个合理有效的语言模型,并且需要针对较大的语料库进行文本分割处理,此外,语义情感计算也是比较棘手的问题.我用N-Grams、modified Kneser-Ney interpolated算法训练了3万句的诗句,得到了语言模型,利用Markov approximation, Maximum Likelihood Estimation改进遗传算法,加入对仗,对偶,诗韵等因子进行评估计算,使得软件成功地写出了带有隐喻的优美诗句.

由于对计算机领域的热爱,我接受了保送研究生的建议(top15%),继续进行我的计算机研究,我研究生的方向是数字图像处理,在这期间,我做了一些基于KINECT追踪和识别的工作,我对体感这一概念十分感兴趣,利用KINECT所采集的深度图像和彩色图像,对识别及跟踪算法进行了改进,目前实验数据和论文还在整理和总结阶段.研究生期间,在导师LI的指导之下,我加深对编程的理解,我学习了WPF,参与了国家海洋三所罗源湾的项目,在这个项目中,我尽可能的美化软件接口.与此同时,我也没有停止学习新技术的步伐,我利用业余时间学习了LISP,被函数式编程的思想的优雅简洁的力量所震撼.现在,我也正在学习斯坦福iPhone开发的课程,和朋友进行着一个和"食物之美"有关的APP,在这个APP中,我们不只是简单的提供人们所需要的功能服务,我们的设计理念,是希望设计一款领先于现阶段的APP,潜移默化引领人们养成更高效舒适的软件使用习惯.

我喜欢这种可以用自己所学为所用的感觉,我也喜欢持续学习,积累知识,融汇贯通的过程,通过过去的学习,我深深的认定了以成为一名出色的软件设计师为职业目标,但我深知自己还有许多要学习的地方,希望接受更为专业的训练,我希望自己通过贵学校(项目)的深造变得更为优秀,我也相信自己的学习习惯和学习态度能够胜任研究生学习.希望学校能够接受我的申请并且提供奖学金.