

Jian Qi

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6 Nov 1999, Baotou, Inner Mongolia, China



Self Introduction

Bio. I am currently a third-year student in the School of Information Science and Technology, Hainan Normal University, China.

Research interests. I am interested in many technologies. My undergraduate study covered many aspects, such as : **writing a software in Java, building a server, writing a website in HTML, and using Manim (3blue1brown's Python animation engine for explanatory math videos) Create videos, etc.** Currently, I am interesting in AI (machine learning, computer vision, and Autonomous-and-Creative Machines) and software architecture (Spring Boot, Vue).

Education

Sep 2018 – Jun 2022 (expected) **Bachelor of Engineering**, *Hainan Normal University (HNNU)*, Haikou
Major in Software Engineering
GPA : 3.04/5.0 | Rank : 6/44

Skills

Programming Skills : **Java**, C/C++, \LaTeX , Python, Git.
Software development : *familiar with* software development process.
 familiar with program debugging.
 familiar with solving problems on the Internet (Stack Overflow, GitHub, YouTube) .
Qualification Certificates : Programmer (entry-level).

Projects & Experiences

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|----------------------|--|
| May 2015
Oct 2013 | Computer vision and image processing, ZJU , C/Matlab/Python <ul style="list-style-type: none">> <i>Object Recognition</i> based on SIFT feature implemented by Matlab mixed with C.> <i>Recommender Systems</i> based on latent factor models and matrix factorization.> Implementation of <i>Image Seamless Editing</i> by solving Poisson equations.> <i>Image Denoising</i> based on non-linear anisotropic diffusion techniques.> : sift, MFRsys, PoissonImageEditing, ImageDenoising. <div>Object Recognition Image Processing Recommender Systems Python</div> |
| Apr 2014
Feb 2014 | Action/Behavior Recognition in Videos, ZJU, Matlab <ul style="list-style-type: none">> Extract the spatio-temporal features and obtain "Bag of words" representation by clustering (k-means) the extracted features;> Infer the posterior by pLSA/LDA (unsupervised Learning) or by simple classifications (KNN, SVM);> Propose a simple method called 'voting' to achieve multiple actions recognition task.> : github.com/huajh/action_recognition <div>Action Recognition Machine Learning Clustering LDA "Bag of Words" Representation</div> |
| May 2013
Dec 2012 | Brain MR image segmentation, ZJUT, Bachelor Thesis <ul style="list-style-type: none">> Apply the GMM, student-t mixture model, and Dirichlet process based infinite mixture model to the brain MR image clustering problem;> Derive the detail variational Bayesian inference process.> Improve these three algorithms by using laplacian graph (manifold learning);> : github.com/huajh/variational_bayesian_clusterings <div>Mixture Model Clustering Dirichlet Process Variational Bayes Manifold Learning</div> |
| Nov 2012
Jul 2012 | C/C++ Engineer Internship, R&D, State Street (Hangzhou), China <ul style="list-style-type: none">> Responsible for the maintenance and development of Princeton Financial Systems.> As well as in charge of improving the performance of the system by integrating new technologies. <div>C/C++ programming C performance optimization portfolio</div> |

Mar 2020	Software development, HNNU, Java	> Feb 2020, <i>Student club activity management system</i> Java; A local management system with GUI for managing student club activities; > Feb 2020, <i>2048 Game</i> Android Java; > Mar 2020, <i>Yi</i> Java; An instant messaging software with GUI. The software uses JDBC to connect to local MySQL.
Feb 2020		
		<div>Java</div> <div>Android</div> <div>MySQL</div>
Nov 2018	Tiny Software development, HNNU, C/C++	> Oct-Nov 2018, <i>Push Box</i> Independent developer; It is a Command Line Game. The game is implemented by the C/C++. You can control the movement of the character by using the arrow keys on the keyboard.
Oct 2018		
		🐙: github.com/huajh/unix_file_sys <div>C/C++</div> <div>software development</div>

Languages

English :	Reading	● ● ● ● ●	CET-4 : 502
	Listening	● ● ● ● ○	CET-6 : 478
	Speaking	● ● ● ○ ○	

Honors & Awards

Fall 2016	National Scholarship for Graduate Students of Zhejiang University (¥30,000).
Fall 2016	Outstanding graduate student of Zhejiang University.
Spring 2013	Outstanding undergraduate student of Zhejiang University of Technology (ZJUT).
2010 - 2012	Scholarship and Merit Student of ZJUT(1st-class (<5%), 1 time; 2nd-class (<10%), 2 times).
2011 & 2012	First-class Mathematical modeling Contest of ZJUT. (<5%, 2 times)
Fall 2011	Second prize of National Mathematical Contest in Modeling (<6.5%).
Fall 2010	First prize of National college students Mathematical Contest (non-math) in Zhejiang (<3%).

Interests

Sports :	Basketball, Football, Climbing, Extreme sports, Wilderness survival.
Arts :	Photography, Painting, Movies.
Misc :	Traveling, Quantitative investment.

(last update : 3 Apr. 2021)