

Zhiming Peng

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EDUCATION	University of Southern California , Los Angeles, USA M.S. Major in Computer Science • Course: Artificial Intelligence; Database Systems; Analysis of Algorithms; Operating Systems • Current GPA: 3.67/4.0 Zhejiang University , Hangzhou, P.R. China B.S. Major in Computer Science and Technology • Major GPA: 3.78/4.0	Aug. 2016 - May.2018 (expected) Aug. 2011 - Jun. 2015
SKILLS	• Programming Language: Python, C/C++, Kotlin, Java, Pascal/Delphi, PHP, SQL, Matlab • Library & Tool: React, Redux, Bootstrap, D3, Echart, OpenCV, sklearn, NLTK, NetworkX, git	
WORK EXPERIENCE	Software Developer Intern @ Hulu LLC, Santa Monica, CA <i>Kastle: Kafka as a service (Backend: Kotlin with kafka-client, Frontend: react-redux)</i> • Cluster management: Create a Kafka cluster on demand automatically. Integrated with monitor dashboard and Pagerduty. • Topic management: Create topic with admin notification, the creation based on the SLA and data throughput for the right residence with admin confirmation. View your or team's topics on conceptual and physical level, and JMX Charts and recent messages for each physical topic. • User management: Authorization and Authentication. LDAP integration. User privileges in per topic or per group of topics level. Research Engineer @ Singapore Management University, Singapore	May. 2017 - Aug. 2017 Aug. 2015 - Aug. 2016
PROJECTS INFORMATION	The Analysis and Prediction of the Behavior in User Adopting Application Based on Real Social Network. (Graduate Thesis) <i>Living Analytics Research Centre, Singapore Management University</i> • Analyzed the relationship between users' features (such as individual attribute, network measure, communication pattern, etc.) and their behaviors in adopting application in SNS. • Built a model with these features to predict users' behavior that whether the user will adopt the application in the next three months, the precision reached 75.34% for 600 users. Food Image Segmentation and Recognition and its Application <i>Zhejiang Province Key Innovation Research Program</i> • Created an Android app, which can identify the food and record them for user. Base on this information and nutrients in food, taste, it will give food suggestions to users. • Established food image dataset from school dinning hall, then developed an algorithm using Hough Transformation for any templates to segment the cuisine by plates. • Extracted the features from the images and trained a classifier for 33 types of cuisine. The features included Color Histogram, Tamura texture features, SIFT; Bag of Visual Word, Locality-constrained Linear coding to present the image. • The precision of segmentation and recognition are 92% and 64%. The process take less than 0.5s. Program Trading for Stock Market <i>Student Research Training Project</i> • Compared program trading with traditional trading, and a demo for them. Studied and Did Research on Machine Learning and Social Network	Sep. 2014 - Apr. 2015 Jan. 2014 - Jun. 2015 Mar. 2013 - May. 2014 Sep. 2013 - Jun. 2015