

Zhikang Fan

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EDUCATION

University of California San Diego, La Jolla, CA <i>Jacobs School of Engineering</i> <ul style="list-style-type: none">• M.S. in Computer Science	Master 2017.09 – Present
Peking University, Beijing, China <i>School of Electronics Engineering and Computer Science</i> <ul style="list-style-type: none">• Major in Microelectronics Science and Engineering; Major GPA: 3.57/4.00• Minor in Computer Science and Technology; GPA: 3.50/4.00	Bachelor 2013.09 - 2017.07

PROFESSIONAL EXPERIENCE

CAPUBBS — BBS for Cycling Association of Peking University <i>Network department, Cycling Association of Peking University</i> <ul style="list-style-type: none">• Used PHP, jQuery and Bootstrap to set up the server, including API and web version BBS• Used Naive Bayes algorithm to classify a post based on its title and content (Capstone project)• Used Resilient Backpropagation Neural Network to predict the click number of a post (Capstone project)• Designed the iOS client with modern features like 3D Touch, Widget, Continuity, Spotlight, etc.• Developed the website of <i>National University Mountain Bike Tournament</i>, providing info and registration	SDE Leader 2014.10 – 2017.07
PKU Helper — The official campus client of Peking University <i>Peking University New Youth Network Culture Studio</i> <ul style="list-style-type: none">• Developed the application in iOS, watchOS and macOS platform• Designed an online second-hand market, and an anonymous forum called 'Tree Hole'• Held online and offline campus activities like academic salons and lectures	Student Assistant (SDE position) 2016.01 – 2017.07
Baidu Hi Enterprise IM Software <i>Business Process and Information Technology Department, Baidu Company</i> <ul style="list-style-type: none">• Developed a VOIP call system that can hold more than 100 callers simultaneously• Developed an AirPlay framework that enables wireless projecting over enterprise network• Optimized the iOS model of the IM software for better performance and lower power consumption	SDE Intern 2016.07 – 2016.11
Face-tracking System on an Unmanned Aerial Vehicle Platform <i>Center for Energy-Efficient Computing and Applications of Peking University</i> <ul style="list-style-type: none">• Configured Linux environment on an ARM platform• Tested the algorithm of OpenCV haar-detection using the video stream from the UAV• Performed the energy analysis and optimizations	Research Assistant 2015.09 – 2016.01

PRIZES & SCHOLARSHIP

2nd prize in Chinese University Students Computer Design Competition, National Finals	2016
1st prize in Chinese University Students Computer Design Competition, Peking University Division	2016
Ranked 5th (5 / 41) in Peking University Hackathon — HackPKU	2016
Academic Excellence Scholarship of Peking University	2014
Freshman Scholarship of Peking University (Top 10%)	2013

SKILLS

Languages: C/C++, Objective-C, Java, MySQL, PHP, MATLAB
Development: Linux, Git/GitHub, Mobile development, Software Engineering