Zhilan ZHOU

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EDUCATION

The University of North Carolina at Chapel Hill

M.S. in Computer Science   Aug.2017--now

Course work:

Files and Databases, Operating Systems, Digital Logic, Scientific Computation I, Algorithm Analysis, Computer Vision, etc.

The University of North Carolina at Chapel Hill

GPA: 3.91   B.S. in Computer Science

Minor in Mathematics and Japanese   Aug.2014-May.2017

Course work:

Foundation of Programming, Discrete Structures, ACM Programming Competition Practice, Data Structures, Principles of Biology, Computer Organization, Models of Languages and Computation, Introduction to Computer Security, Algorithms and Algorithm Analysis, Artificial Intelligence, Internet Services and Protocols, Mentored Research, Modern Web Programming, Play Analysis, World Regional Geography, Combinatorial Mathematics, Intro to Graphic Design, Bioalgorithm, etc.

EXPERIENCE

Research Assistant, UNC   Aug.2017-now

- Lead a project on exploring and creating a UI transformation system to afford different interactions on multiple devices while sharing a unified runtime backend, under the NSF project on UI Virtualization with Professor Don Porter.
- Based on the prior project UIWear, aimed at extending it to an automatically UI transferring generation system from phone to wearable devices.

Research Assistant, UNC   Sept.-Dec.2016

- Participating in the Research Project: The Founder Strains of the Collaborative Cross Express a Complex Combination of Advantageous and Deleterious Traits for Male Reproduction.
- Help the maintenance of the Histology Database for deep learning classification of cells, modifying code and adding labels to improve the performance of the classifier.

Intern in EAVision, California   May-Aug.2016

- Took the charge of developing the globalization and localization feature of the UAV control software UAVision on Windows platform with C#.
- Worked with the development group to complete a stable FTP client and server system between UAV (running Ubuntu) and remote control end (running Windows), mainly completed the whole C++ program on Linux.

Intern in Cheetah Mobile Inc., Beijing, China   Jul.-Aug.2015

- Collaborated with the development team to modify the screen saver animation interface on the Android app *Clean Master.*
- Utilized Java to improve the interactive part of user interface to meet the demand coming from the

UI design group.

ACADEMIC PROJECTS

Interactive Image Description for RGBD videos   Aug.2015-May.2016
- Participating in a four-people group with tutor Tamara Berg, Undergraduate Research in UNC.
- Recognize images with category predictions using Caffe in MATLAB, along with other models like Long's FCN segmentation, adapted the Microsoft SDK in C++ to collected data from Kinect.
- Established an alpha site for the human-tagged database of indoor images, got A for the course.

Captcha Crack Software Design   May.2014-now
- Led team of 3 to set the technical implementation scheme, Undergraduate Sci &Tech Innovation Program in NJUST.

ACTIVITIES

IBM Bluemix IoT Design Challenge
- High-Value Asset Tracking using Bluetooth Low Energy Beacons in Hospital Environment, Team of four   Chapel Hill,NC,Nov.-Dec.2014

ACM Competition
- Team was ranked #31 in Mid-Atlantic Regional Contest   USA Nov.2014

Bronze Prize：National Biology Olympic Competition   China 2011

TECHNICAL SKILLS

Programming Languages:
Visual C++, Java, C++, C#, Python, JavaScript, WordPress, PHP, Html, CSS

Operating System:
Windows, OS X, iOS, Android, Linux

Tools:
MS Word, Excel, PowerPoint, FrontPage, Page, Keynote, Photoshop, AutoCAD, Illustrator，InDesign