Chuang Chen

INFORMATION

Name: Chuang Chen
Gender: Male
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EDUCATION

Bachelor in Electronic Engineering Tsinghua University 2008.09 - 2012.07
Major: Electronic Information Science and Technology

Master in Electronic Engineering Tsinghua University 2012.09 - Present
Major: Information and Communication Engineering

EXPERIENCE

Programmer Tsinghua University 2011.04 - 2011.08
Circles: A Campus Social Network Site
This project developed an SNS based on Django, providing students in Tsinghua University a social platform based on campus communities and offline circles.

Assistant Researcher PalmVISA 2011.11 - 2012.12
Test Platform of Palm Print Authentication on Mobile Devices
Developed test apps and palm print collecting apps on iOS and Android.

Graduation Project Tsinghua University 2012.03 - 2012.05
Navigation of Mobile Robot Based on Multiple Sensors
Built a navigation system with calibrated binocular camera, multiple infrared sensors and ultrasonic sensors. This system is able to detect size & shape of obstacles ahead and navigate the mobile robot to avoid collisions.

Master Student Tsinghua University 2013.3 - present
Research on Clustering of Wireless Sensor Networks
Developed a find-grained and extendable simulation framework for wireless sensor networks. Proposed an asynchronous cluster head rotation scheme.

Master Student Tsinghua University 2013.8 - present
Research on Mining Trajectories of Taxis
Based on PostGIS, OpenStreetMap and massive GPS data, developed an ITS researching platform composed of PostGIS databases, researching framework with python & R, web interfaces. Focused on map-matching, driver modeling & urban computing presently.

SKILLS

Fond Languages: C++, Python, R
Languages: C, Java, Matlab, JavaScript, C#, Objective-C
Platform: Android, iOS, .NET
Database: PostgreSQL, MySQL
OS: Linux
English: TOEFL 91