QINGXIAO DONG /ching-shal dawng/

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SKILLS

Programming: Java*, C, C++, Python
Mobile: Android SDK*
Web: Node.js, React, Bootstrap, HTML/CSS/JS
Database: MySQL*, MongoDB, XML, Parse
Data Analysis: Matlab, R
Others: JUnit*, Git, Linux, AWS, REST API, Assembly

(*proficient)

EDUCATION

M.S. in Computer and Information Technology, MAY 2017 (expected)
University of Pennsylvania, USA
GPA: 4.0/4.0. Coursework:
- Software Engineering
- Database & Info Systems
- Intro to Computer Systems (C)
- Data Structures & Software Design (Java)
- Computer Systems Programming (C, C++)

B.A. in German Language, Literature and Linguistics, JUN 2012
Beijing Foreign Studies University, CHN
GPA: 85/100 (Junior & Senior: 91/100)

Exchange Student, OCT 2010 – AUG 2011
Georg-August University Goettingen, DE
GPA: 93.8/100
Selected (10 out of 90) as an exchange student to Germany.

HONORS

3rd Place Winner, Juniper – Comcast SDN/Network Automation: Workshop & Competition, 2016

3rd Place Winner, PennApps XIII Hackathon MCIT Award, 2016

CERTIFICATES

Essential Project Management, 2013

Products Development Process, 2012

PGH (Advance German), 2011

PROJECTS (Source code available on GitHub)

PennDN – Juniper-Comcast SDN Throwdown | FEB 2016
Wide area network control and analytics platform
- Competed against 9 other teams from 8 universities in US and Europe and won 3rd Place in the SDN hackathon challenge. Worked in a group of 3.
- Built a network management platform atop Juniper NorthStar. It can automatically reroute LSPs around failures, and operators can analyze and visualize network data using SQL.
- *My role:* rendered a real-time network topology, SQL queries, and network statistics, using React, REST API, Ace.js and Google Maps API.
- *My role:* built a query parser using Python in the backend, which projects network telemetry streams onto a uniform timeline using interpolation.

Calmly – PennApps XIII Hackathon | JAN 2016
Android app for managing stress and anxiety in social situations
- Built an app that allows users to view their real-time and historical heart rate detected by the Android wear's sensor in the background, and get notification when their heart rate exceeds the pre-calibrated threshold.
- Managed communication between phone and Android wear.
- Integrated Parse database to authenticate user and store data.
- *Team of 3, my role: real-time heart rate detection, notification, calibration.*

Movie Fans Social Network | SEP – DEC 2015
Movie-themed SNS based on TMDB data
- Developed a Node.js web app where users can mark/rate/review movies, like movie stars/directors, follow each other, and share activities.
- Integrated Facebook API to allow logins with both emails and Facebook. Fuzzy search of website contents. Customized recommendations.
- Integrated with MySQL and MongoDB (backend) and Bootstrap (frontend).
- Deployed on cloud services (AWS RDS + AWS EC2 + MongoLab).
- *Group of 4, my role: database, API, web front- and backend, deployment.*

InstaNote – PennApps XII Hackathon | SEP 2015
Mobile Note-taking App based on OCR
- Developed an Android app that allows users to take notes without typing. Swipe-selected text in images will be transformed into a plaintext note.
- Implemented five activities enabling users to sort, favorite, and share notes. Integrated with Google maps to associate locations with notes.
- Integrated SQLite database and applied Tess-Two open source OCR library.
- Applied Android material design at the frontend.
- *Worked in a team of 4, my role: Android front- and backend.*

PROFESSIONAL EXPERIENCE

PROJECT MANAGER | MAY 2012 – MAY 2014
Volkswagen Group China, Beijing, CHN
- Managed data using internal databases and compiled analytical reports.
- Managed projects to export 60 electronic and metal parts to more than 15 Volkswagen factories worldwide.
- Held telephone/on-site/video meetings on a daily basis with suppliers and other Volkswagen/Audi/Skoda depts. worldwide.
- Acquired P2+ (exceeded requirements for performance) and T2+ (112.5% over target) in the annual employee evaluation.