

Deqing Qu

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Top Skills: JavaScript, Node.js, React, Python, Objective-C, C++

Work Experience

Research Assistant, Ramsey Laboratory at Oregon State University April. 2018 - now

- Worked in the 'RTX Reasoning Tool Proof-of-Concept software' project
- Implemented and tested the API request modules for retrieving biomedical data from 12 databases (**Python**)
- Maintained the knowledge graph database on **Linux**

App Architect and Lead Designer, Qifengle Tech, Hefei, China Aug. 2013 – Jun. 2016

- Implemented two social apps for groups in communities and universities (**Objective-C**)
- Led app development in **agile** process and introduced **design patterns** to improve the maintainability and flexibility of the apps
- Designed and implemented **RESTful APIs** (**JavaScript, Node.js**)

Software Developer, Umedia Tech, Hefei, China May 2011 – Jun. 2013

- Implemented magazine apps for Restaurant Review and Travel+Leisure (Chinese version) with more than 5,000 downloads (**Objective-C**)
- Setup and supported the server cluster for UP Ads Platform (**Nginx, Linux**)
- Implemented Ads SDK for UP Ads Platform (**Objective-C**)

Personal Projects

Amazon Price Tracker

- This is a web application that tracks Amazon's commodity price. Web scraping technology is used to get the commodity prices from Amazon.com. Historical prices are stored in a local database and displayed graphically.
- The **BeautifulSoup** library and **Cronjobs** are used for automatic web scraping (**Python, Shell**). The frontend and backend are built using **React, Node.js** and **MySQL**. The web app is deployed on **Google App Engine**.

Education

M.S. of Computer Science (Software Innovation Track) Sep. 2017- June. 2019
Oregon State University (expected)

GPA: 3.9

M.S. of Computer Science (Computer Graphics and Visualization) Sep. 2008 – May 2011

Hefei University of Technology, China

GPA: 3.27 Ranking: 3/34

B.S. of Computer Science Sep. 2004 – July 2008

Hefei University of Technology, China

GPA: 3.42 Ranking: 10/211