

Ziqing Wang

Software Engineer in Houston, TX

A dedicated Full Stack Developer blends scientific research spirit with hands-on experience in programming to offer solid skills in web application development, doing everything from the database to the front-end, especially good at rapidly prototyping new ideas and projects, certified by Amazon Web Services (AWS) as a Solutions Architect Associate.



804-687-8474



redtaq@hotmail.com



<https://github.com/ziqingw>



<https://www.linkedin.com/in/ziqing-wang-34549537/>

PROJECT EXPERIENCE

Lab Animal Management Platform — labanimals.herokuapp.com

- A full stack project to administer laboratorial animals supporting multiple operations.
- Built with JavaScript, React.js, Redux, Bootstrap, Node.js and PostgreSQL.
- Significantly improved efficiency and convenience for researchers to work with laboratorial animals.

Climate Monitor — cli-monitor.herokuapp.com

- A full stack project to monitor the real-time changes of temperature/humidity at different rooms in a house for 24 x 7 with a web accessible UI.
- Remarkably helped users diagnose and improve their home comfort through the reads from different rooms.

Trivia Game — https://ziqingw.github.io/trivia_game_react/

- A single-page-app of interactive trivia game with endless fun, built with React.js, Redux, React-Saga and Material-UI.
- Small, Fast and Fun. Thousands of questions in 17 different categories and 3 difficulty levels brought enormous challenges.

WORK EXPERIENCE

Instructor — UTHealth, Houston

May 2012 – October 2018

- Conducted studies for regulation of phosphatidic acid in the lung metastasis of breast cancer using animal model.
- Published findings on the top peer-reviewed journals.

Postdoctoral Fellow — Harvard University, Boston

July 2009 – April 2012

- Performed experiments to improve antibody affinity against HIV-1.

EDUCATION

Chinese Academy of Sciences, Ph.D. Cell Biology — 2009

Nanjing University, B.S. Bioengineering — 2004

SKILLS

PROGRAMMING LANGUAGES

- JavaScript
- Python
- HTML5/CSS3
- jQuery
- Node.js

FRAMEWORKS

- ReactJS/Redux
- Bootstrap
- Material-UI

DATABASES

- MongoDB
- PostgreSQL
- Neo4j

TOOLS

- GIT
- RESTful API
- Amazon Web Services

CERTIFICATION

AWS Certified Solutions Architect – Associate for individuals with experience designing distributed applications and systems on the AWS platform.