**Ziqing Wang**

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**GitHub:** [github.com/ziqingW](https://github.com/ziqingW) • **Portfolio:** [portfolio.ziqingwang.com](http://portfolio.ziqingwang.com/)

Full Stack Developer

Pearland, TX

**SUMMARY**

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.

**CERTIFICATION**

**AWS Certified Solutions Architect – Associate | Valid No.** V961BDZKDFE1QQ9LMar 2019 – Mar 2022

**FEATURED PROJECTS**

**Lab Animal Management Platform |** [**labanimals.herokuapp.com**](https://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**](https://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
* Built with HTML5, CSS3, jQuery, Python, Tornado, Jinja2 and PostgreSQL
* Remarkably help users diagnose and improve their home comfort through the reads from different rooms

**Ask Yingyang |**[**askyingyang.herokuapp.com**](https://askyingyang.herokuapp.com/)

* A full stack project to predict your fortune with the philosophy of 'Ying & Yang' from the ancient Chinese
* Built with CSS3, React.js, React-Router, Redux, Node.js, Express and PostgreSQL
* An interactive UI with vivid animation to provide endless fun and knowledge to learn Chinese culture

**EDUCATION**

• **DigitalCrafts Coding Bootcamp** Houston, TX

Full Stack Developer Feb 2018 – Aug 2018

• **Chinese Academy of Sciences** Shanghai, China

Ph.D. Cell Biology Sep 2004 – Jun 2009

•  **Nanjing University** Nanjing, China

B.S. Bioengineering Sep 2000 – Jun 2004

**SKILLS**

* Python
* JavaScript
* React.js
* Node.js
* HTML5
* CSS3
* Machine Learning
* Keras
* Neo4j
* Splunk
* Deep Learning
* Redux
* PostgreSQL
* SQL
* MongoDB

**EMPLOYMENT HISTORY**

**University of Texas Health Science Center at Houston |** Instructor **|** May 2012 – Oct 2018 **|** Houston, TX

Conducted studies for regulation of phosphatidic acid in the lung metastasis of breast cancer

**Harvard University |** Postdoctoral Fellow **|** Jul2009 – Apr 2012 **|** Boston, MA

Performed experiments to improve antibody affinity against HIV-1