

# SHANGYUAN NIU

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## EDUCATION

### Cornell University

Bachelor of Arts, Computer Science & Information Science, 2017

Major GPA: CS: 4.02, INFO: 3.74; Overall GPA: 3.57; Dean's List, All but One Semesters

Activities: Mainland China Student Association: Event Chair; The Arcadia (Band): Guitarist

## EXPERIENCE

### POST AguaClara

*Project Team Full Stack Web Developer 01/2016-Present*

Worked on prototyping and developing a Plant Operations Smartphone Tracker (POST) for tracking water quality data from the AguaClara rural treatment plants in Honduras.

Designed and implemented the MySQL database located on an AWS EC2 instance, and a data visualization website using d3.js

### Cornell University

*Teaching Assistant: Intermediate Web Programming 01//2016-Present*

Tutored students with programming assignments and theoretical concepts.

Led weekly reviewing sections and grade projects.

### Advanced Energy Industry Inc.

*Information Technology Intern 07/2015 – 08/2015*

Worked with the Technology Support Team to provide Internet and operating systems related support. Learned about TCP/IP, HTTP, and the SAP Solution Manager software.

### Geekpark

*Technology Reporter 05/2015-06/2015*

Interviewed and wrote reports on various Chinese tech companies and start-up.

Contributed to hosting the Geekpark Singularity Summit 2015, the largest and most renowned technology conference in China.

## PROJECTS

### Web-based Rhythm Gaming Controller 12/2015 - Present

Worked on developing a Web-based Sound Voltex controller for mobile devices which uses WebSocket to communicate the press/release events and AutoPy to press the keys.

### E-commerce Website for Jamie's Bowls 04/2015

Worked in a group of 4 to design and build a fully functioning e-commerce website with a login system. Used PHP and MySQL for the product database. Implemented PayPal API for payments.

### Website for Cinternship

*www.cinternship.com 01/2015*

Designed and developed a web platform that allows applicants to apply online to the Cinternship Program, an independent cross-cultural internship initiative.

### Nirvana Weekly Homepage

*nirvanaweekly.org 11/2014*

Designed the layout for the homepage of Nirvana Weekly, an independent student magazine.

## SKILLS

**Languages:** Chinese (native); Java, Python, PHP, JavaScript(JQuery, d3.js)

**Other Skills:** Photoshop, MySQL, PostgreSQL, LaTeX, Web Design, Database Design