

# Ruiqi Yang

Irvine, CA • [ruiqi6@uci.edu](mailto:ruiqi6@uci.edu) • 949.562.9863 • [rickyyang.dev](http://rickyyang.dev) • [github.com/sk8erry](https://github.com/sk8erry)

Summer 2019 Master's graduate in cyber-physical systems with deep interests and relevant project work that includes development of IoT solutions, cyber-physical systems, and web development. Passionate technologist dedicated to continuous learning and deep study of the craft.

## EDUCATION

**Master of Embedded & Cyber-Physical Systems**, Univ. of California, Irvine - Irvine, CA (exp. June 2019) 3.83 GPA

- UC Irvine is the first university in the U.S. to offer a professional graduate degree in CPS, with a program designed to train students in the foundation, skills, and hands-on practices of embedded and cyber-physical systems design, optimization and evaluation.

**Bachelor of Engineering, Electrical Engineering**, University of Pittsburgh at Johnstown - Johnstown, PA (2016)

- Dr. Kama Gella and Dr. Jyothi Gella Award (2016)
- UPJ Presidential Scholarship

## PROJECTS

- **Xinfan** ([github.com/sk8erry/anime-season](https://github.com/sk8erry/anime-season)) - Built a responsive web app for users to discover and follow new anime by season. Developed site using React and GraphQL.
- **LightSwarm IoT** ([github.com/sk8erry/light-swarm](https://github.com/sk8erry/light-swarm)) - Developed a dynamic light sensor network implemented using ESP8266 WiFi module (C++) and Raspberry Pi (Python). Data is forwarded and stored at Google Firebase.
- **Driver Fatigue System** ([github.com/sk8erry/driver-fatigue-detection](https://github.com/sk8erry/driver-fatigue-detection)) - Designed and implemented a cyber-physical system to detect and respond to driver fatigue using Python and OpenCV. The system detects fatigue using analysis of driver blink rate and pressure of grip on steering wheels.

## EXPERIENCE

**Software Development Engineer** (Intern), State Grid Corp. of China - Nanjing, China

June 2014 – Aug 2014

- Contributed to C and C++ algorithms for a network delay calculation module.

## SKILLS

C, C++, Python, JavaScript, ReactJS, HTML/CSS, Git, Linux, OpenCV, Firebase. Basic GraphQL.

Languages: Chinese, English