

Ruiqi Yang

👤 Profile

I am a master's student with interests and relevant projects in IoT, cyber-physical systems and web development. Most of my free time is dedicated to learning new skills, and transforming these skills to projects.

Details

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💼 Employment History

Software Development Engineer Intern at State Grid Corporation of China, Nanjing, China

June 2014 – August 2014

Implemented part of the algorithms for a network delay calculation module.

Links

rickyyang.moe
github.com/sk8erry

Skills

C/C++

Python

JavaScript

ReactJS

HTML/CSS

Languages

Chinese

English

🎓 Education

Master of Embedded and Cyber-Physical Systems, University of California, Irvine, Irvine, CA

September 2018 – June 2019

- 4.0 GPA

Bachelor of Engineering, Electrical Engineering, University of Pittsburgh at Johnstown, Johnstown, PA

August 2012 – April 2016

- Dr. Kama Gella and Dr. Jyothi Gella Award, 2016

- UPJ Presidential Scholarship

🏠 Projects

Xinfan

December 2018 – Present

React and **GraphQL** based responsive web app to discover, save and share new anime by season.

LightSwarm

September 2018 – December 2018

LightSwarm is a dynamic light sensor network implemented using ESP8266 (C) and Raspberry Pi (Python). Data is forwarded and stored at **Google Firebase**.

Driver Fatigue System

August 2015 – March 2016

Python and **OpenCV** implementation of a **cyber-physical system** to detect and respond to driver fatigue. Fatigue is detected by driver's blink rate and grip of steering wheel.