

Wenxin Wang

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<https://wenxinwang.github.io/>

EDUCATION

Master of Science: Software Engineering
Embry-Riddle Aeronautical University (ERAU)
Daytona Beach, Florida | Aug 2015 - Aug 2017

GPA: 3.59

Bachelor of Science: Computer Science and Technology
Nanjing University of Aeronautics and Astronautics (NUAA)
Nanjing, China | Aug 2012 - Jun 2016

GPA: 3.78

EXPERIENCE & PROJECT

Logical State Machine Model Research Assistant, ERAU, Society for Industrial & Applied Mathematics
Daytona Beach, Florida | Jan 2016 - Aug 2017

- Simulated virtual Autonomous Underwater Vehicles and environment using C++ & MOOS-IvP platform
- Verified UPPAAL fault tolerance state machine models in various hazardous and critical situations
- Designed Node.js application components and APIs through Express + Knex.js
- Implemented Git for version control using command lines on Ubuntu Linux system
- Project Introduction: <http://www.eco-dolphin.org/>

Full Stack Software Engineer, Shenzhen Communication Tech Co., Ltd.
Shenzhen, Guangdong, China | May - Aug 2016

- Independently implemented a web-based paperless office system from front-end to back-end
- Designed and developed transactional and analytical data structures related to Product Inventory
- Front end was done in PHP + CSS3 + HTML5 + JavaScript + MVC framework
- Back end (server & database) involved work related to WAMP(Apache + SQL) + phpMyAdmin + phpExcel
- System GUI: <https://wenxinwang.github.io/Internship/internship.html>

Front End Web Application Developer, ERAU, Software Engineering Discipline Group
Daytona Beach, Florida | Aug - Dec 2015

- Programmed GUI prototypes for a web-based repository using PHP + HTML5 + CSS3 + SQL + JavaScript
- Set up MySQL database + Git version control with Apache server on Linux for Agile team work
- Performed regression & system-level testing to verify software quality and functions
- Project Code: <https://github.com/WenxinWang/SE500>

RELATIVE COURSES

Data Structures, Algorithms, Operating System, Compiling, Assembly, Telecommunication (Networking), Operational Research, Software Architecture, Requirements, Quality Assurance, Object-Oriented Design

AVAILABILITY

Authorized to work: In the US for any employer, STEM 3-year OPT from October 2017 to October 2020
Willing to relocate to: Anywhere in the US if company requires

SKILLS

- **Languages:** C#, Node.js, JavaScript, jQuery, CSS, HTML, RESTful APIs, C++, C, Java, UML
- **Database & Server:** RDBMS, MySQL, SQL Server, SQL, phpMyAdmin, Linux, Apache, LAMP, WAMP
- **Network:** TCP/IP protocols, SSL(MD5, SHA1, SHA256), penetration testing, digital forensics
- **Tools and methods:** Git, SVN, Agile & Scrum software development process