

Wenxin Wang

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

EDUCATION

Master of Science: Software Engineering GPA: 3.59
Embry-Riddle Aeronautical University (ERAU), Daytona Beach, Florida Aug 2015 - Aug 2017
Bachelor of Science: Computer Science and Technology GPA: 3.78
Nanjing University of Aeronautics and Astronautics (NUAA), Nanjing, China Aug 2012 - Jun 2016

EXPERIENCE & PROJECTS

Logic Verification & Simulation Research Assistant, ERAU, Society for Industrial & Applied Mathematics
Daytona Beach, Florida Jan 2016 - Aug 2017

- Simulated virtual Autonomous Underwater Vehicles and environment using Node.js + MOOS-IvP + C++
- Verified UPPAAL fault tolerance state machine models in various hazardous and critical situations
- 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
- The system was done in PHP + CSS3 + HTML5 + JavaScript + SQL + Excel + MVC framework
- Back end (server & database) involved work related to WAMP(Apache) + phpMyAdmin + phpExcel
- System GUI: <https://wenxinwang.github.io/Internship/internship.html>

Unity3D UAV Simulation Developer, ERAU, Object-Orient Group
Daytona Beach, Florida Jan - May 2016

- Realized A* algorithm via C# to calculate path and implemented testing cases using NUnit framework
- Implemented 3D terrain map using JavaScript + terrain.party
- Recorded video demo: https://www.youtube.com/watch?v=p_Fo8txUBbY

Full Stack 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 assure 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: Anywhere in the US
Available to work: Within 45 days of job offer

SKILLS

Languages: C#, Node.js, JavaScript, CSS, HTML, RESTful APIs, C++, C, Java, UML
Database & Server: RDBMS, MySQL, SQL Server, SQL, phpMyAdmin, Linux, Apache, LAMP
Network: TCP/IP protocols, SSL, penetration testing, digital forensics, Wireshark
Tools and methods: Git, SVN, Unity3D, .Net, Visual Studio, Matlab, Markdown, Agile, Scrum