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**Wenxin Wang**

303 W Newby Ave, San Gabriel, California 91776

<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#, .Net, Node.js, JavaScript, CSS, HTML, RESTful APIs, C++, C, Java, UML, Angular.js

**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