

# Hangyu Wang (Holly)

Phone: 908-873-9972  
Email: hwang143@stevens.edu  
Address: 70 Lexington Ave APT17, Jersey City, NJ 07304

## EDUCATION:

<b>Stevens Institute of Technology</b> – NJ, US	GPA 4.00
<b>M.S. Computer Science</b>	Expected: 12/2020
<b>Awards:</b> Provost's Master's Scholarships	
<b>New York University</b> – NY, US	GPA 3.91
<b>M.S. Electrical Engineering</b>	9/2015 – 12/2016
<b>Awards:</b> NYU Scholarship, Excellent Student	

## ACADEMIC COURSES:

Web Programming I, Web Programming II, Database Management I, Database Management II, Advanced Algorithm Design and Implementation, Operating Systems, Engineering Programming in Python, Engineering Programming in Java

## SKILLS:

NodeJS, React, Postgres SQL, mongoDB, Matlab, Apollo GraphQL, AWS EC2, JQuery, Java, JavaScript, C/C++, SQL, HTML, CSS, Python

## INTERNSHIP EXPERIENCE:

<b>KPMG</b> – Beijing, China	
<b>Software Developer Intern</b>	5/2018 – 7/2018
<ul style="list-style-type: none"><li>• Collaborated with team on improving ERP systems depending on project needs</li><li>• Reduced about 15% loading time of systems by using gzip</li><li>• Tested the integration of the workflow on created ERP System</li><li>• Communicated often with clients about requirements and gave updates of work</li></ul>	
<b>Racobit</b> – Beijing, China	
<b>Researcher Intern</b>	10/2017 – 4/2018
<ul style="list-style-type: none"><li>• Designed a general circuit Partial TMR algorithm based on PageRank Algorithm</li><li>• Generated hardware topology connection relationship by using the netlist given by hardware design</li><li>• Determined the component needed to conduct TMR according to the topology connection data processed by improved PageRank algorithm</li><li>• Saved 30% hardware resource with a similar protection strength, which is verified on the on-orbit simulation platform</li></ul>	
<b>Deloitte &amp; Touché</b> – Beijing, China	
<b>Software Developer Intern</b>	1/2015 – 4/2015
<ul style="list-style-type: none"><li>• Tested the integration of the workflow on created ERP System</li><li>• Debugged and implemented code as needed</li><li>• Created the operation manual of the platform for clients</li></ul>	

## ACADEMIC EXPERIENCE:

<b>Course Project – A web-based Chat Application with Localization (<a href="https://jinlile.tech">https://jinlile.tech</a>)</b>	8/2019 – 12/2019
<ul style="list-style-type: none"><li>• Designed and implemented RESTful API for users' chatting feature with Express.js, SocketIO and MongoDB.</li><li>• Developed reliable authentication with Amazon SES, making UI/UX friendly.</li><li>• Developed the frontend as Single Page Application with React and Next.js.</li><li>• Deployed the web application on AWS EC2 with SSL and Nginx reverse proxy.</li></ul>	
<b>Course Project – QuizMe Website</b>	1/2019 – 5/2019
<ul style="list-style-type: none"><li>• Designed and implemented RESTful API by using Express.js and MongoDB</li><li>• Implemented a web application that can let users to play customized quizzes and query playing history</li><li>• Implemented features of auto-grading and timing quizzing for the website.</li></ul>	
<b>Course Project - Search Engine</b>	1/2019 – 5/2019
<ul style="list-style-type: none"><li>• Developed a search engine that can quickly find related pages by given key words based on a compressed trie of the inverted index and return pages according to their tf-idf and PageRank scores, using python.</li></ul>	
<b>Teaching Assistant</b>	8/2019 – now
<i>Advanced Algorithm Design and Implementation, Software Development Process</i>	
<b>Publication</b>	
<ul style="list-style-type: none"><li>• Partial TMR method for on-orbit processor Based on PageRank Algorithm. <b>IET Electronics Letters.</b></li></ul>	