

Yanlin Zhu

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EDUCATION	Rensselaer Polytechnic Institute (RPI). Expected graduation date, May 2019 B.S., Computer Science / Computer & System Engineering GPA: 3.81/4.0 Dean's Honor List	
EXPERIENCE	Undergraduate Mentor for Operating Systems	Jan. 2019 – present
	<ul style="list-style-type: none">Held office hours 6 hours a week.	
	Researcher in Blockchain area at Rensselaer IDEA	May. 2018 – present
	<ul style="list-style-type: none">Research in handling exceptions in smart contracts. Worked in a team of three, developed spam detection for a review Dapp, wrote the Naive Bayes classifier.On Hyperledger, developed an account recovery scheme for Dapps.	
	Research Assistant at Rensselaer CSDT	Sept. 2017 – May. 2018
	<ul style="list-style-type: none">Developed an educational web-game Skateboarding for CSDT at RPI. Designed the equation visualizer and physics simulator.	
	Undergraduate Mentor for Foundations of Comp. Science	Sept. 2017 – Dec. 2017
	<ul style="list-style-type: none">Graded homework, parts of quizzes and exams. Held bi-weekly office hours.	
	Intern at SAIC Motor Passenger Vehicle Co., Ltd	June. 2017 – Aug. 2017
	<ul style="list-style-type: none">Designed the news web page and maintained company Wechat official account.	
PROJECTS	Capstone Project - Leviton Smart Room Lighting	Sept. 2018 – Dec. 2018
	<ul style="list-style-type: none">Worked in a team of seven, developed an occupancy detection device. Worked on the passive infrared sensor and developed the main detection algorithm.	
	Operating System Project - CPU and Memory Simulator	Sept. 2017 – Dec. 2017
	<ul style="list-style-type: none">Wrote a CPU process scheduling (SRT, RR, etc) and memory allocation simulator (contiguous & non-contiguous) in Python.	
	Physicsapp – An Android app that helps students to learn physics	Sept. 2017 – Dec. 2017
	<ul style="list-style-type: none">Worked in a team of four, used Agile methodology throughout the development process, developed an Android app in Java.Developed the unit converter. Used SQLite to store user favorites and history.	
	IED Course Project - UV Water Cleaner	Sept. 2017 – Dec. 2017
	<ul style="list-style-type: none">Worked on the electronics. Wrote the program and UI of the touchscreen.	
	Embedded Control course project – Autonomous RC car	Sept. 2016 – Oct. 2016
	<ul style="list-style-type: none">Worked in a team of three, wrote the program for a self-guided model car in Silicon Labs in C. Managed serial communication for external devices in code.	
SKILLS		
Programming Languages	<ul style="list-style-type: none">Experienced in C/C++, Java, PythonFamiliar with HTML, JavaScript, CSS, XML, Swift, Prolog, Scheme, SQL, Go	
Other Skills	<ul style="list-style-type: none">Familiar with Git, Android Studio, familiar with engineering graphing software Siemens NX, MATLAB and PSpice, familiar with Markdown and L^AT_EX.	