

Tao Wang

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Education	DARTMOUTH COLLEGE, <i>Thayer School of Engineering</i> , Hanover, NH Bachelor of Engineering in Computer Science and Engineering Sep 2016 - Jun 2019
	MIDDLEBURY COLLEGE, <i>Department of Computer Science</i> , Middlebury, VT Bachelor of Arts in Computer Science , minor in Mathematics , GPA 3.75/4.0 (Major GPA 3.87) College Scholar and Dean's List for all semesters Aug 2014 - May 2018
	Relevant Courses: Data Structures, Algorithms, Computer Vision, Computer Networks, Computer Architecture, Probability, Multivariable Calc, Programming Parallel Systems
Skills	Tools: Java, C/C++, Python, JavaScript, Go, C#, HTML/CSS, Swift, MATLAB, R Libraries and Technologies: Android, Git, .NET(UWP), UNIX, MongoDB, SQL, Scikit-learn Languages: Native fluency in Mandarin, English, Wu, proficient in Spanish
Professional Experience	Independent Developer (Developer ID: TPW Studio) <i>Android, Python, Node.js, OpenCV, .NET</i> May. 2015 - Present
	Android How-old (Monthly active users over 4600) <ul style="list-style-type: none">Self-taught Android development and built app to scan for faces and analyse ages using FACE++ APIsMarketed to multiple app stores in the US and China including Google Play Store and WandouLab
	MiddleRides (Team Leader) <ul style="list-style-type: none">Initialized project to develop Android and iOS apps for Middlebury shuttle services, built Android app and Node serverCoordinating dev team of four people and communicating with Public Safety and CS Department
	GeoReminder <ul style="list-style-type: none">Implemented reminder app based on geo location with Google Maps and AMap APIsAdapted multiple Android design patterns and social network APIs, incorporated Retrofit and RxJava
	Python Course Registration <ul style="list-style-type: none">Automated and speeded up course registration process for Middlebury College BannerWeb systemCreated OSX, Windows, Linux executives and non-programmer friendly interfaces, helped over 50 students register
	Windows Phone Programmer Calc <ul style="list-style-type: none">Built a scientific calculator in C# specialized in scientific calculation, supported more digits than system calculator
	Dartmouth College <i>Undergraduate Research Assistant, Auracle Project, Hanover, NH</i> Sep. 2016 - Present <ul style="list-style-type: none">Used DAQ and Raspberry Pi to collect eating behavior data; processed and used Machine Learning to analyze data
	Carnegie Mellon University <i>Research Assistant, Human Computer Interaction Institute, Pittsburgh, PA</i> Jun. 2016 - Aug. 2016 <ul style="list-style-type: none">Built a Node server and an Android app for Crowd Sourcing platform employing Google Play Services and GCMImplemented a customized Geofence from scratch to enhance performance and usability; generated Wiki pages
	TripInsiders <i>Software Engineering Intern, Hangzhou, China</i> Aug. 2016 <ul style="list-style-type: none">Wrote a mock server in Node following the internal API guidelines and improved app testing efficiency by 10%Fixed a sliding tab bug that existed for more than 3 months on Android app by using compatibility support libraries
Honors and Awards	HackRPI 2015 Nov. 2015 <ul style="list-style-type: none"><i>Best Mobile Hack</i> and <i>TripAdvisor Sponsor Prize</i> out of more than 500 participants
	Google Code Jam Programming Competition 2015 & 2016 <ul style="list-style-type: none">Passed Qualification for two consecutive years. Ranked top 2530 in Round 1B, 2016
Certification	Machine Learning Stanford University on Coursera, Issued on Aug 24 th 2016 Programming with C# EdX Verified Certificate, Issued on May 22 nd 2015
Interests	Go (Weiqi) <ul style="list-style-type: none">Played Go for over 15 years; Dan grading 5, ranked top 20 in Suzhou out of 10000 competitors in Suzhou, China Soccer <ul style="list-style-type: none">Played intramural and club soccer throughout high school and college, vice-captain of team during freshman year