

# Tao Wang

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Education	<b>DARTMOUTH COLLEGE, Thayer School of Engineering</b> , Hanover, NH Bachelor of Engineering in <b>Computer Science and Engineering</b> Sep 2016 - Jun 2019
	<b>MIDDLEBURY COLLEGE, Department of Computer Science</b> , Middlebury, VT Bachelor of Arts in <b>Computer Science</b> , minor in <b>Mathematics</b> , GPA 3.75/4.0 (Major GPA 3.87) College Scholar and Dean's List for all semesters Aug 2014 - May 2018
	<b>Relevant Courses:</b> Data Structures, Algorithms, Computer Vision, Computer Networks, Computer Architecture, Probability, Multivariable Calc, Programming Parallel Systems
Skills	<b>Tools:</b> Java, C/C++, Python, JavaScript, Go, C#, HTML/CSS, Swift, MATLAB, R <b>Libraries and Technologies:</b> Android, Git, .NET(UWP), UNIX, MongoDB, SQL, Scikit-learn <b>Languages:</b> Native fluency in Mandarin, English, Wu, proficient in Spanish
Professional Experience	<b>Independent Developer (Developer ID: TPW Studio)</b> <i>Android, Python, Node.js, OpenCV, .NET</i> May. 2015 - Present
	<b>Android</b> How-old (Monthly active users over 5200) <ul style="list-style-type: none"><li>Self-taught Android development and built app to scan for faces and analyse ages using FACE++ APIs</li><li>Marketed to multiple app stores in the US and China including Google Play Store and WandouLab</li></ul>
	<b>MidRides (Team Leader)</b> <ul style="list-style-type: none"><li>Initialized project to develop Android and iOS apps for Middlebury shuttle services, built Android app and Node server</li><li>Coordinating dev team of four people and communicating with Public Safety and CS Department</li></ul>
	<b>GeoReminder</b> <ul style="list-style-type: none"><li>Implemented reminder app based on geo location with Google Maps and AMap APIs</li><li>Adapted multiple Android design patterns and social network APIs, incorporated Retrofit and RxJava</li></ul>
	<b>Python</b> Course Registration <ul style="list-style-type: none"><li>Automated and speeded up course registration process for Middlebury College BannerWeb system</li><li>Created OSX, Windows, Linux executives and non-programmer friendly interfaces, helped over 50 students register</li></ul>
	<b>Windows Phone</b> Programmer Calc <ul style="list-style-type: none"><li>Built a scientific calculator in C# specialized in scientific calculation, supported more digits than system calculator</li></ul>
	<b>Dartmouth College</b> <i>Undergraduate Research Assistant, Auracle Project, Hanover, NH</i> Sep. 2016 - Present <ul style="list-style-type: none"><li>Used DAQ and Raspberry Pi to collect eating behavior data; processed and used Machine Learning to analyze data</li><li>Wrote a Majority Judgment Voting library in Python for classification models, open-sourced on PyPI (majorityvoting)</li></ul>
	<b>Carnegie Mellon University</b> <i>Research Assistant, Human Computer Interaction Institute, Pittsburgh, PA</i> Jun. 2016 - Aug. 2016 <ul style="list-style-type: none"><li>Built a Node server and an Android app for Crowd Sourcing platform employing Google Play Services and GCM</li><li>Implemented a customized Geofence from scratch to enhance performance and usability; generated Wiki pages</li></ul>
	<b>TripInsiders</b> <i>Software Engineering Intern, Hangzhou, China</i> Aug. 2016 <ul style="list-style-type: none"><li>Wrote a mock server in Node following the internal API guidelines and improved app testing efficiency by 10%</li><li>Fixed a sliding tab bug that existed for more than 3 months on Android app by using compatibility support libraries</li></ul>
Honors and Awards	<b>HackRPI 2015</b> Nov. 2015 <ul style="list-style-type: none"><li>Best Mobile Hack and TripAdvisor Sponsor Prize out of more than 500 participants</li></ul>
	<b>Google Code Jam Programming Competition</b> 2015 & 2016 <ul style="list-style-type: none"><li>Passed Qualification for two consecutive years. Ranked top 2530 in Round 1B, 2016</li></ul>
Certification	Machine Learning Stanford University on Coursera, Issued on Aug 24 <sup>th</sup> 2016 Programming with C# EdX Verified Certificate, Issued on May 22 <sup>nd</sup> 2015
Interests	<b>Go (Weiqi)</b> <ul style="list-style-type: none"><li>Played Go for over 15 years; Dan grading 5, ranked top 20 in Suzhou out of 10000 competitors in Suzhou, China</li></ul> <b>Soccer</b> <ul style="list-style-type: none"><li>Played intramural and club soccer throughout high school and college, vice-captain of team during freshman year</li></ul>