

# 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> (GPA combined with Middlebury College) Sep. 2016 - Mar. 2019
	<b>MIDDLEBURY COLLEGE, Department of Computer Science</b> , Middlebury, VT Bachelor of Arts in <b>Computer Science</b> , minor in <b>Mathematics</b> , Major GPA 3.8 College Scholar and Dean's List for all semesters Aug. 2014 - May 2018
	<b>Relevant Courses:</b> Data Structures, Algorithms, Computer Vision, Computer Networks, Compiler Design, Programming Parallel Systems, Machine Learning, Computer Architecture, Database Systems, Operating Systems, Multivariable Calc
Skills	<b>Tools:</b> Java, C/C++, Python, JavaScript, Go, C#, HTML/CSS, Swift/Obj-C, MATLAB, R <b>Libraries and Technologies:</b> Android, Git, iOS, .NET, UNIX, MongoDB, SQL, Pandas, NumPy, Scikit-learn, React <b>Languages:</b> Native fluency in Mandarin, English, Wu, proficient in Spanish, Japanese
Professional Experience	<b>Google</b> , Alphabet Inc. <i>Software Engineering Intern, Mountain View, CA</i> May. 2018 - Aug. 2018 ▪ Implemented a complete eUICC & LPA simulator for eSIM by GSMA SGP.22 with GUI using Java and JavaScript.
	<i>Software Engineering Intern, Mountain View, CA</i> Jun. 2017 - Sep. 2017 ▪ Worked on text processing and user interface on Google Assistant iOS using Objective-C and iOS development tools.
	<b>Dartmouth College</b> <i>Undergraduate Research Assistant, Auracle Project, Hanover, NH</i> Sep. 2016 - Present ▪ Used DAQ and Raspberry Pi to collect eating behavior data; processed and used Machine Learning to analyze data. ▪ Wrote a Majority Judgment Voting library in Python for classification models, open-sourced on PyPI (majorityvoting).
	<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 9000) ▪ Self-taught Android development and built app to scan for faces and analyse ages using FACE++ APIs. ▪ Marketed to multiple app stores in the US and China including Google Play Store and WandouLab.
	MiddRides (Team Leader) ▪ Initialized project to develop Android and iOS apps for Middlebury shuttle services, built Android app and Node server. ▪ Coordinating dev team of four people and communicating with Public Safety and CS Department.
	<b>Python</b> Majority Voting ▪ Created the majorityvoting library compatible with scikit-learn and made available on PyPI for public use.
	<b>Go</b> Terrigenesis ▪ Built a concurrent, command line file server with upload, download, organize support and HTTP basic authentication.
	<b>Carnegie Mellon University</b> <i>Research Assistant, Human Computer Interaction Institute, Pittsburgh, PA</i> Jun. 2016 - Aug. 2016 ▪ Built a Node server and an Android app for Crowd Sourcing platform employing Google Play Services and GCM. ▪ Implemented a customized Geofence from scratch to enhance performance and usability; generated Wiki pages.
Publications	<b>Auracle: Detecting Eating Episodes with an Ear-mounted Sensor</b> Shengjie Bi, <b>Tao Wang</b> , Nicole Tobias, Josephine Nordrum, Shang Wang, [et al, including David Kotz] Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies (Ubicomp), Singapore Oct. 2018
	<b>Towards a Wearable Sensor for Eating Detection</b> Shengjie Bi, <b>Tao Wang</b> , Ellen Davenport, Ronald Peterson, Ryan Halter, Jacob Sorber, David Kotz Proceedings of the 2017 Workshop on Wearable Systems and Applications (WearSys), Niagara Falls, USA Jun. 2017
Honors and Awards	<b>HackRPI 2015</b> ▪ <i>Best Mobile Hack</i> and <i>TripAdvisor Sponsor Prize</i> out of more than 500 participants Nov. 2015
	<b>Google Code Jam Programming Competition</b> ▪ Passed Qualification for two consecutive years. Ranked top 2530 in Round 1B, 2016 2015 & 2016
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> - Played Go for over 15 years; Dan grading 5, ranked top 20 out of over 10000 competitors in Suzhou, China <b>Soccer</b> - Intramural and club soccer throughout high school and college, vice-captain of team during freshman year