Tao Wang

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Education	**DARTMOUTH COLLEGE,** *Thayer School of Engineering*, Hanover, NH	Sep 2016 - Jun 2019

Bachelor of Engineering in **Computer Science and Engineering**

	MIDDLEBURY COLLEGE, *Department of Computer Science*, Middlebury, VT	Aug 2014 - May 2018

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

Relevant Courses: Data Structures, Algorithms, Computer Vision, Computer Networks, Computer Architecture, Probability, Multivariable Calc, Programming Parallel Systems

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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

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Professional Experience

Independent Developer (Developer ID: TPW Studio)	May. 2015 - Present

Android, Python, Node.js, OpenCV, .NET
Android
How-old (Monthly active users over 5300)
▪ 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
GeoReminder
▪ Implemented reminder app based on geo location with Google Maps and AMap APIs
▪ Adapted multiple Android design patterns and social network APIs, incorporated Retrofit and RxJava
Python
Course Registration
▪ Automated and speeded up course registration process for Middlebury College BannerWeb system
▪ Created OSX, Windows, Linux executives and non-programmer friendly interfaces, helped over 50 students register
Windows Phone
Programmer Calc
▪ Built a scientific calculator in C# specialized in scientific calculation, supported more digits than system calculator

Dartmouth College	Sep. 2016 - Present

Undergraduate Research Assistant, Auracle Project, Hanover, NH
▪ 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)

Carnegie Mellon University	Jun. 2016 - Aug. 2016

Research Assistant, Human Computer Interaction Institute, Pittsburgh, PA
▪ 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

TripInsiders	Aug. 2016

Software Engineering Intern, Hangzhou, China
▪ 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

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Honors and Awards

HackRPI 2015	Nov. 2015

▪ *Best Mobile Hack* and *TripAdvisor Sponsor Prize* out of more than 500 participants

Google Code Jam Programming Competition	2015 & 2016

▪ Passed Qualification for two consecutive years. Ranked top 2530 in Round 1B, 2016

Certification

Machine Learning	Stanford University on Coursera, Issued on Aug 24th 2016
Programming with C#	EdX Verified Certificate, Issued on May 22nd 2015

Interests

Go (Weiqi)
▪ Played Go for over 15 years; Dan grading 5, ranked top 20 in Suzhou out of 10000 competitors in Suzhou, China
Soccer
▪ Played intramural and club soccer throughout high school and college, vice-captain of team during freshman year