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, C#, HTML/CSS, Swift, MATLAB, R
Libraries and Technologies: Android, Git, .NET(WP), UNIX, MongoDB, SQL
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 2800)
- 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, Hanover, NH
- Coding wearable sensor hardware to collect eating behavior data and writing Android app to receive data and analyze

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