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** (GPA combined with Middlebury College)

MIDDLEBURY COLLEGE, *Department of Computer Science*, Middlebury, VT   Aug 2014 - May 2018
Bachelor of Arts in **Computer Science**, minor in **Mathematics**, GPA 3.68/4.0 (Major GPA 3.8)
College Scholar and Dean's List for all semesters

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

Skills

Tools: Java, C/C++, Python, JavaScript, Go, C#, HTML/CSS, Swift/Obj-C, MATLAB, R
Libraries and Technologies: Android, Git, .NET(UWP), UNIX, MongoDB, SQL, Pandas, Numpy, Scikit-learn
Languages: Native fluency in Mandarin, English, Wu, proficient in Spanish, Japanese

Professional Experience

Google, Alphabet Inc.
Software Engineering Intern, Mountain View, CA   Jun. 2017 - Sep. 2017
▪ Worked on text processing and user interface on Google Assistant iOS using Objective-C and iOS development tools.

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)

Independent Developer (Developer ID: TPW Studio)   May 2015 - Present
Android, Python, Node.js, OpenCV, .NET
Android
How-old (Monthly active users over 6400)
▪ 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
Python
Majority Voting
▪Created the majorityvoting library in Python compatible with sklearn and made available on PyPI for public use.
Course Registration
▪ Automated course registration for Middlebury College Banner system on all platforms with user-friendly interfaces.
Go
Terrigenesis
▪ Built a concurrent file server based on HTTP with upload, download and organize support and password authentication.

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

Publications

Towards a Wearable Sensor for Eating Detection   Jun. 2017
Shengjie Bi, Tao Wang, Ellen Davenport, Ronald Peterson, Ryan Halter, Jacob Sorber, David Kotz
Proceedings of the 2017 Workshop on Wearable Systems and Applications (WearSys), Niagara Falls, USA

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 out of over 10000 competitors in Suzhou, China
Soccer
▪ Played intramural and club soccer throughout high school and college, vice-captain of team during freshman year