

Tao Wang

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| Education | DARTMOUTH COLLEGE, Thayer School of Engineering , Hanover, NH Bachelor of Engineering in Computer Science and Engineering (GPA combined with Middlebury College) Sep. 2016 - Mar. 2019 |
| | MIDDLEBURY COLLEGE, Department of Computer Science , Middlebury, VT Bachelor of Arts in Computer Science , minor in Mathematics , Major GPA 3.8 College Scholar and Dean's List for all semesters Aug. 2014 - May 2018 |
| | Relevant Courses: Data Structures, Algorithms, Computer Vision, Computer Networks, Compiler Design, 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, React Languages: Native fluency in Mandarin, English, Wu, proficient in Spanish, Japanese |
| Professional Experience | Google , 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. Jun. 2017 - Sep. 2017 |
| | ▪ Worked on text processing and user interface on Google Assistant iOS using Objective-C and iOS development tools. Sep. 2016 - Present |
| | Dartmouth College <i>Undergraduate Research Assistant, Auracle Project, Hanover, NH</i> |
| | ▪ 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) <i>Android, Python, Node.js, OpenCV, .NET</i> May 2015 - Present |
| | Android 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 |
| Publications | 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. |
| | Go Terrigenesis |
| | ▪ Built a concurrent, command line file server with upload, download, organize support and HTTP basic authentication. |
| | Carnegie Mellon University <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 | Auracle: Detecting Eating Episodes with an Ear-mounted Sensor Shengjie Bi, Tao Wang, 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 |
| | Towards a Wearable Sensor for Eating Detection 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 Jun. 2017 |
| Honors and Awards | HackRPI 2015 ▪ <i>Best Mobile Hack</i> and <i>TripAdvisor Sponsor Prize</i> out of more than 500 participants Nov. 2015 |
| | Google Code Jam Programming Competition ▪ Passed Qualification for two consecutive years. Ranked top 2530 in Round 1B, 2016 2015 & 2016 |
| Certification | Machine Learning Programming with C# Stanford University on Coursera, Issued on Aug 24 th 2016 EdX Verified Certificate, Issued on May 22 nd 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 - Intramural and club soccer throughout high school and college, vice-captain of team during freshman year |