

Andy Wang

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Education	Stanford University , Stanford CA Majoring in Computer Science (2018-2022)
Awards and Honors	2018 Presidential Scholar Publications: Co-authored "Enhancement of Industrial Diamond Strength by Plasma Treatment" published in International Journal of Precision Engineering (Dec 2015) Patents: "Cutting inserts with honeycomb sandwich structure cooling" (Sep 2014)
Courses	Programming Abstractions in C++ Mathematical Foundations of Computing Computer Organizations and Systems Introduction to R for Undergraduates AP Computer Science (5) Artificial Intelligence (AI) in Real Life
Experience	Pololu Product Development Intern Las Vegas, Nevada, <i>June 2018 - August 2018</i> Designed and routed printed circuit boards (PCB) via Altium with a focus on creating multi-channel IR sensors. Facilitated product testing through programming and led routing and design of 11 and 13 channel IR sensors FlakeChat Founder Las Vegas, Nevada, <i>December 2018 - May 2018</i> Programmed and marketed a decentralized lan chat for high schools. Designed to facilitate connections inside schools, achieved 1000 downloads in the first two days of launch. Gained a comprehensive knowledge of JavaFX, IP multicast, and udp packet sending/receiving through programming the application <i>Website:</i> https://www.flakechat.com/ Stony Brook University Research Fellow Stony Brook, NY, <i>July 2017 - August 2017</i> Studied the enhancement of Perovskite solar cells via enhancing additives and surface morphology. Achieved record efficiency rates for the Perovskite group while working and earned Siemens Semi-Finalist commendations. Part of the Garcia program funded by the NSF. National Honor Society President Las Vegas, NV, <i>June 2017 - June 2018</i> Organized and led multiple community outreach projects ranging from charity walks to senior center staffing. Engaged in officer management and ran weekly member meetings. Accumulated over 400+ individual hours in and outside of the club, and led the club to 4209 volunteer hours last school year.
Skills	Programming/Technology: C++, Java, R, Python, HTML, CSS, Altium Designer, Arduino, Pixlr Languages: English, Chinese