Japanese Professional fluency (JLPT N2)

EDUCATION	
2017 to Dec 2021	<ul> <li>Pomona College, B.A. Computer Science (Asian Studies minor), Claremont, CA, GPA: 3.983</li> <li>Relevant Coursework: Machine Learning, Algorithms, Computer Systems, Applied Algorithms, Data Structures/Advanced Programming, Fund. of CS, Discrete Math, Linear Algebra, Intro to Stats</li> <li>Honors: Phi Beta Kappa inductee, Tapia 2020 Conference Scholar, Pomona Scholar Award (Fall 2019 + 4 more semesters)</li> </ul>
EXPERIENCE	
Sep 2020 to present	Research Assistant, Brown HCI @ Brown University, Providence, RI (remote).  - Continue development of a robust error testing pipeline for gaze prediction accuracy on Brown HCI's WebGazer  - Integrate Google MediaPipe for biometrics on Portal-ble, a mobile AR environment in Unity, working with Jing Qian
May 2020 to Aug 2020	Research Assistant, Pomona College Department of Computer Science, Claremont, CA (remote).  - Conducted HCI/computer vision research on WebGazer, a webcam gaze prediction app, under Prof Alexandra Papoutsaki  - Integrated TensorFlow.js Facemesh face tracking; added IndexedDB browser cache; built prediction accuracy test suite in JS  - Continue to maintain GitHub repo and fix misc. issues, with plans to submit to CHI & UIST 2021.
Sep 2018 to Dec 2019	<ul> <li>Teaching Assistant, Pomona College Department of Computer Science, Claremont, CA.</li> <li>Mentor for Data Structures/Advanced Programming (Spring/Fall 2019) in Java; for Intro CS in Java (Fall 2018)</li> <li>Supervise weekly lab, grade projects, hold mentor sessions for 30+ students (approx. 5–6 hr./week)</li> </ul>
Jul 2019 to Aug 2019	<ul> <li>Summer Research Intern, National Taiwan University IoX Center, Taipei, Taiwan.</li> <li>Worked on 2 new VR haptic accessories (FrictShoes, GuideBand), submitted to CHI &amp; UIST 2020</li> <li>Built Arduino comparison prototype for vibrotactile arm guidance (Aggravi et al, 2016) and VR test scenarios in Unity/C#</li> <li>Won 2nd place award in IoX Center Summer Research Program under Prof Ray Tsai &amp; Prof Robin Chen</li> </ul>
May 2019 to Jul 2019	<ul> <li>Undergraduate Research Intern, Kogakuin University, Tokyo, Japan.</li> <li>Implemented live camera object detection with TensorFlow in Python, on a Raspberry Pi that communicates with linked microcontrollers (GR-PEACH) via I2C protocol for a microcontroller-based path guidance robot</li> </ul>
Jul 2018 to Sep 2018	Research Assistant, Stanford University Asia-Pacific Research Center, Stanford, CA Researched Taiwan's Central Election Commission and indigenous land rights under Dr. Kharis Templeman
SELECTED PRO	IECTS
Sep 2020	Mildfire, hackathon project for PennApps XXI, Python/JS.  - Created web-app to detect wildfire high-risk zones based on satellite imagery, for PennApps XXI virtual hackathon @ UPenn  - Responsible for integrating DL model to detect trees from satellite maps (Weinstein et al. 2019) from Google Maps API
Feb 2020 to Mar 2020	LINE Bot for Reddit Posts, personal project, Python.  - Created web-based app to get new Reddit text/image posts via LINE message by sending a message to a LINE bot  - Used LINE Messaging API, Python Reddit API Wrapper, webhook endpoint on Google Cloud Platform
Feb 2019	Image Seam-Carving Algorithm, CS143 Applied Algorithms, Java Implemented seam-carving & dynamic programming-based energy map alg (Avidan & Shamir 2007) to smartly resize images
LEADERSHIP	
Sep 2019 to Aug 2020	Co-President, Taiwanese-American Student Association, Claremont Colleges, CA.  - Create & plan events (4–5 per semester); manage membership & budget; expand club outreach
Jan 2018 to Aug 2020	Officer, 5C Freestylin' Collective, Claremont Colleges, CA.  - Co-founded club; inclusive space committed to elevating local street/hip-hop dancers on-campus & in LA/Inland Empire area  - Plan events (e.g. dance workshops), community outreach, sponsoring on/off-campus dance events etc.
TECHNICAL SKI	LLS
Languages Other	Fluent in Java, JavaScript, Python, C#. Familiar with C/C++. Proficient in Git, Bash, HTML/CSS, LaTeX. Familiar with TensorFlow, OpenCV, Unity, Linux, Raspberry Pi, Arduino.
LANGUAGES	
Mandarin	Bilingual proficiency