

# Dhruv Jain

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## Employment

- Fall '22 – **UNIVERSITY OF MICHIGAN, ANN ARBOR**  
Assistant Professor  
[Computer Science and Engineering](#)
- Summer '21 **APPLE**  
Research Intern  
[Managers: Colin Lea, Leah Findlater](#)
- Winter '21 **GOOGLE**  
Research Intern  
[Managers: Alex Olwal, Ruofei Du](#)
- Summer '20 **MICROSOFT RESEARCH**  
Research Intern  
[Managers: Meredith Ringel Morris, Sasa Junuzovic](#)
- Summer '14 **UNIVERSITY OF MARYLAND, COLLEGE PARK**  
Research Intern  
[Advisors: Jon Froehlich, Leah Findlater](#)
- Fall '13 **MICROSOFT RESEARCH, INDIA**  
Research Intern  
[Managers: Kalika Bali, Ed Cutrell](#)
- Summer '13 **DAVID & LUCILE PACKARD FOUNDATION**  
Intern  
[Manager: Aaditeshwar Seth](#)
- Summer '12 **UNIVERSITY OF WISCONSIN, MADISON**  
Research Intern  
[Advisor: Vinay Ribeiro](#)
- Winter '12 **STANFORD INDIA BIODESIGN**  
Visiting Researcher  
[Mentors: Pragun Goyal, Mayank Kumar](#)






## Education





- 2017 – 2022 **UNIVERSITY OF WASHINGTON, SEATTLE**  
PhD, Computer Science and Engineering  
[GPA: 3.95/4.0, Advisors: Jon E. Froehlich, Leah Findlater](#)
- 2014 – 2016 **MIT MEDIA LAB**  
Masters, Media Arts and Sciences  
[GPA: 5.0/5.0](#)
- 2009 – 2013 **INDIAN INSTITUTE OF TECHNOLOGY, DELHI**  
Undergraduate, Computer Science and Engineering  
[GPA: 9.23/10.0](#)

## Invited Articles

- 2023 **MIXED ABILITIES AND VARIED EXPERIENCES: A GROUP AUTOETHNOGRAPHY**  
Mack, Das, **Jain**, Bragg, Tang, Begel, Benetau, Davis, Glasser, Park, Potluri  
 [Communications of the ACM Research Highlights \(CACM-RH\) \(To Appear\)](#)  
From ACM's website: "CACM's RH section is devoted to the most significant recent research results published in computing. [...] With a readership of over 100,000 from over 100 countries, publication in CACM-RH provides unmatched visibility and is regarded as a significant honor." ([more on the selection process](#))
- 2021 **SOUNDWATCH: DEEP LEARNING FOR SOUND ACCESSIBILITY ON SMARTWATCHES**  
**Jain**, Ngo, Patel, Goodman, Nguyen, Grossman-Kahn, Findlater, Froehlich  
 [Communications of the ACM Research Highlights \(CACM-RH\) June 2022](#)

## Publications



- 2022 **SOUND SENSING AND FEEDBACK TECHNIQUES FOR DEAF AND HARD OF HEARING PEOPLE**  
22 **Jain**  
[PhD Dissertation, University of Washington ProQuest](#)
- 21 **NONVERBAL SOUND DETECTION FOR DISORDERED SPEECH**  
Lea, Huang, **Jain**, Tooley, Liaghat, Thelapurath, Findlater, Bigham  
[ICASSP 2022](#)
- 20 **PROTOSOUND: A PERSONALIZED, SCALABLE SOUND RECOGNITION SYSTEM**  
**Jain**, Nguyen, Goodman, Grossman-Kahn, Ngo, Kusupati, Du, Olwal, Findlater, Froehlich  
[CHI 2022](#)
- 2021 **TOWARDS SOUND ACCESSIBILITY IN VIRTUAL REALITY**  
19 **Jain**, Junuzovic, Ofek, Sinclair, Porter, Yoon, Machanavajhala, Morris  
[ICMI 2021](#)
- 18 **A TAXONOMY OF SOUNDS IN VIRTUAL REALITY**  
**Jain**, Junuzovic, Ofek, Sinclair, Porter, Yoon, Machanavajhala, Morris  
[DIS 2021](#)  
 **best paper award**
- 17 **MIXED ABILITIES AND VARIED EXPERIENCES: A GROUP AUTOETHNOGRAPHY OF A VIRTUAL SUMMER INTERNSHIP**  
Mack, Das, **Jain**, Bragg, Tang, Begel, Benetau, Davis, Glasser, Park, Potluri  
[ASSETS 2021](#)  
 **best paper honorable mention**
- 16 **TOWARD USER-DRIVEN SOUND RECOGNIZER PERSONALIZATION WITH PEOPLE WHO ARE D/DEAF OR HARD OF HEARING**  
Goodman, Liu, **Jain**, McDonnell, Froehlich, Findlater  
[IMWUT 2021](#)
- 15 **WHAT DO WE MEAN BY "ACCESSIBILITY RESEARCH"? A SYSTEMATIC REVIEW OF ACCESSIBILITY PAPERS IN CHI AND ASSETS FROM 1994 TO 2019**  
Mack, McDonnell, **Jain**, Wang, Froehlich, Findlater  
[CHI 2021](#)  
 **best paper honorable mention**
- 2020 **FIELD STUDY OF A TACTILE SOUND AWARENESS DEVICE FOR DEAF AND HARD OF HEARING USERS**  
14 **Jain**, Chiu, Goodman, Schmandt, Findlater, Froehlich  
[ISWC 2020](#)
- 13 **SOUNDWATCH: EXPLORING SMARTWATCH-BASED DEEP LEARNING APPROACHES TO SUPPORT SOUND AWARENESS FOR DEAF AND HARD OF HEARING USERS**  
**Jain**, Ngo, Patel, Goodman, Findlater, Froehlich  
[ASSETS 2020](#)  
 **best artifact award**; extensive press coverage
- 12 **NAVIGATING GRADUATE SCHOOL WITH A DISABILITY: A TRIO-ETHNOGRAPHY**  
**Jain**, Potluri, Sharif  
[ASSETS 2020](#)  
 **best paper honorable mention, most liked talk**

- 11 **HOMESOUND: AN ITERATIVE FIELD DEPLOYMENT OF AN IN-HOME SOUND AWARENESS SYSTEM FOR DEAF OR HARD OF HEARING USERS**  
Jain, Mack, Amrous, Wright, Goodman, Findlater, Froehlich  
[CHI 2020](#)
- 10 **EVALUATING SMARTWATCH-BASED SOUND FEEDBACK FOR DEAF AND HARD-OF-HEARING USERS ACROSS CONTEXTS**  
Goodman, Kirchner-Adelhardt, Guttman, Jain, Froehlich, and Findlater  
[CHI 2020](#)
- 2019 9 **AUTOETHNOGRAPHY OF A HARD OF HEARING TRAVELER**  
Jain, Desjardins, Findlater, and Froehlich  
[ASSETS 2019](#)  
 **best paper honorable mention**
- 8 **EXPLORING SOUND AWARENESS IN THE HOME FOR PEOPLE WHO ARE DEAF OR HARD OF HEARING**  
Jain, Lin, Guttman, Amalachandran, Zeng, Findlater, and Froehlich  
[CHI 2019](#)
- 7 **DEAF AND HARD-OF-HEARING INDIVIDUALS' PREFERENCES FOR WEARABLE AND MOBILE SOUND AWARENESS**  
Findlater, Chinh, Jain, Froehlich, Kushalnagar, and Lin  
[CHI 2019](#)
- 2018 6 **TOWARDS ACCESSIBLE CONVERSATIONS IN A MOBILE CONTEXT FOR PEOPLE WHO ARE DEAF AND HARD OF HEARING**  
Jain, Franz, Findlater, Cannon, Kushalnagar, and Froehlich  
[ASSETS 2018](#)
- 2016 5 **IMMERSIVE SCUBA DIVING SIMULATOR USING VIRTUAL REALITY**  
Jain, Sra, Gro, Marques, Wu, Chiu, and Schmandt  
[UIST 2016](#)  
 MIT council of arts grant (\$4k), extensive press coverage
- 4 **HEAD-MOUNTED DISPLAY VISUALIZATIONS TO SUPPORT SOUND AWARENESS FOR THE DEAF AND HARD OF HEARING**  
Jain, Findlater, Gilkeson, Holland, Duraiswami, Zotkin, Vogler, and Froehlich  
[CHI 2015](#)  
Google faculty research award (\$90k), NSF grant (\$1.2m), UW reality lab grant (\$90k)
- 2014 3 **PATH-GUIDED INDOOR NAVIGATION FOR THE VISUALLY IMPAIRED USING MINIMAL BUILDING RETROFITTING**  
Jain  
[ASSETS 2014](#)  
 Samsung university relations grant (\$25k), IIT Delhi alumni award (₹200k), best bachelors thesis (₹10k), extensive press coverage
- 2 **APPLICATION OF SHAPE MEMORY ALLOY BASED ACTUATION FOR REFRESHABLE DISPLAY OF BRAILLE**  
Singhal, Jain, Chanana, Jain, Paul, Balakrishnan, and Rao  
[ASME/IEEE MESA 2013](#)
- 1 **DESIGN AND USER STUDY OF AN AFFORDABLE CELLPHONE BASED INDOOR NAVIGATION SYSTEM FOR VISUALLY IMPAIRED**  
Jain, Agrawal, Maheshwari, Mittal, Balakrishnan, Rao, and 11 others  
[TRANSED 2012](#)  
 **best paper award**, extensive press coverage

## Posters and Workshop papers

- 11 **A BIBLIOMETRIC ANALYSIS OF CITATION DIVERSITY IN ACCESSIBILITY AND HCI RESEARCH**  
Wang, Mack, McDonnell, Jain, Findlater, Froehlich  
[CHI 2021 \(Ext. Abs.\)](#)
- 10 **HOLOSOUND: COMBINING SPEECH AND SOUND IDENTIFICATION FOR DEAF OR HARD OF HEARING USERS ON A HEAD-MOUNTED DISPLAY**  
Guo, Yang, Kuang, Bin, Jain, Goodman, Findlater, Froehlich  
[ASSETS 2020 \(Poster\)](#)

UW Reality Lab Grant (\$50k)

- 9 **SOCIAL TENSIONS WITH HEAD-MOUNTED DISPLAYS FOR ACCESSIBILITY**  
Goodman, **Jain**, Froehlich, Craft, and Findlater  
[CHI 2019 \(Workshop\)](#)
- 8 **EXPLORING AUGMENTED REALITY APPROACHES TO REAL-TIME CAPTIONING: A PRELIMINARY AUTOETHNOGRAPHIC STUDY**  
Jain, Chinh, Findlater, Kushalnagar, and Froehlich  
[DIS 2018 \(Poster\)](#)
- 7 **RESOLVING SPATIAL VARIATION AND ALLOWING SPECTATOR PARTICIPATION IN MULTIPLAYER VR**  
Sra, **Jain**, Caetano, Calvo, Hilton, and Schmandt  
[UIST 2016 \(Poster\)](#)
- 6 **IMMERSIVE TERRESTRIAL SCUBA DIVING USING VIRTUAL REALITY**  
Jain, Sra, Gro, Marques, Wu, Chiu, and Schmandt  
[CHI 2016 \(Ext. Abs.\)](#)  
 extensive press coverage
- 5 **TOWARDS INTERACTIVE FORCE-SENSITIVE DIGITALLY ENCODED MATERIALS FOR ARCHITECTURAL MODELS AND CONSTRUCTION**  
Jain, Babbitt, Canning, and Willmer-Shiles  
[CHI 2016 \(Workshop\)](#)
- 4 **JOGCALL: A PERSUASIVE SYSTEM FOR COUPLES TO JOG TOGETHER**  
Jain, and Schmandt  
[PERSUASIVE 2015 \(Ext. Abs.\)](#)
- 3 **PILOT EVALUATION OF A PATH-GUIDED INDOOR NAVIGATION SYSTEM FOR VISUALLY IMPAIRED IN A PUBLIC MUSEUM**  
Jain  
[ASSETS 2014 \(Poster\)](#)
- 2 **PATH-GUIDED AUDIO BASED INDOOR NAVIGATION SYSTEM FOR PERSONS WITH VISUAL IMPAIRMENT**  
Jain, Jain, Paul, Komarika, and Balakrishnan  
[ASSETS 2013 \(Poster\)](#)  
 extensive press coverage
- 1 **WHITESPACE NETWORKS FOR VEHICULAR COMMUNICATION**  
Jain, Gupta, Gautam, Kumar, Ribeiro, and Sharma  
[COMSNETS 2013 \(Poster\)](#)

## Workshop and SIG Organization

- 3 **A WORKSHOP ON DISABILITY INCLUSIVE REMOTE CO-DESIGN**  
Bandukda, Barbareschi, Singh, **Jain**, Das, Motahar, Wiese, Cockburn, Prakash, Frohlich, Holloway  
[ASSETS 2022 \(Workshop Proposal\)](#)
- 2 **2021 SIG ON ACCESS IN SIGCHI**  
Hofmann, Bennett, Feng, **Jain**, Ladner, Mankoff  
[CHI 2021 \(SIG Proposal\)](#)
- 1 **FROM THE MARGINS TO THE CENTRE: DEFINING NEW MISSION AND VISION FOR HCI RESEARCH IN SOUTH ASIA**  
Jain, Ibtasam, Sharma, Bhattacharya, Tuli, Gamage, **Jain**, Tulsakar, Chandra, Razaq, Rony, Padhi, Jain, Shahid, Ahmed, Balkrishan, Singh  
[CHI 2021 \(Workshop Proposal\)](#)

## Products and Open-Source Releases

- Jan 2022 **PROTOSOUND: PERSONALIZED SOUND RECOGNITION CODEBASE AND MOBILE APP**  
Available on [Github](#)
- Oct 2021 **SOUNDVR: SOUND ACCESSIBILITY IN VIRTUAL REALITY CODEBASE**  
Available on [microsoft.com](#)

- Nov 2020 **SOUNDWATCH: SMARTWATCH SOUND RECOGNITION APP**  
Released on [Google Play Store](#)  
600+ downloads to date.
- Aug 2020 **SOUNDWATCH: SMARTWATCH SOUND RECOGNITION CODEBASE**  
Available on [Github](#)
- Jul 2020 **HOLOSOUND: AUGMENTED REALITY SOUND AWARENESS CODEBASE**  
Available on [Github](#)
- Mar 2013 **ROSHNI: INDOOR NAVIGATION SYSTEM FOR VISUALLY IMPAIRED**  
Installed in National Science Museum, India  
76,000+ users to date.

## Teaching Experience

- 2017 **CO-INSTRUCTOR**  
IIT Delhi (Spring '17 – [Inclusive Design](#))
- 2011 – 2018 **TEACHING ASSISTANT**  
University of Washington Seattle (Spring '18 – [Human Computer Interaction](#), Fall '17 – [Human Computer Interaction](#)), IIT Delhi (Spring '13 – [Digital Hardware Design](#), Fall '12 – [Embedded Systems](#))
- 2015 – 2016 **PROFESSIONAL SCUBA INSTRUCTOR AND PRESIDENT**  
MIT Scuba Club
- 2014 – 2017 **WORLDWIDE EDUCATION INITIATIVES**  
Faculty and organizing member of one-week DIY workshops in India ('13 '14 '15 '16, [sponsored by MIT, TechTop, Samsung, ICICI Bank](#)), South Africa ('15, [sponsored by KwaZulu-Natal](#)), Mexico ('16, [sponsored by CDC Mexico](#)), and France ('17, [sponsored by École de Management](#))

## Academic Service

- 2022 **PROGRAM COMMITTEE – ASSOCIATE CHAIR (AC)**  
ACM ASSETS 2022
- 2022 **ACCESSIBILITY CO-CHAIR**  
ACM CHI 2022
- 2021 **ACCESSIBILITY CO-CHAIR**  
ACM UIST 2021
- 2021 **PUBLICITY CO-CHAIR**  
ACM ASSETS 2021
- 2020 **PROGRAM COMMITTEE – POSTERS & DEMOS CO-CHAIR**  
ACM ASSETS 2020
- 2020 **PROGRAM COMMITTEE – ASSOCIATE CHAIR (AC)**  
ACM CHI 2020 LBW
- 2020 **ACCESSIBILITY CO-CHAIR**  
ACM ASSETS 2019
- 2020 – **MEMBER-AT-LARGE AND WORKSHOPS ORGANIZER**  
HCI4SouthAsia, an initiative to advance perspectives of South Asian researchers in HCI
- 2019 – **MEMBER-AT-LARGE**  
AccessSIGCHI, an advocacy group for making SIGCHI conferences more accessible.
- 2019 **DESIGN & WEB CO-CHAIR**  
ACM UIST 2019
- 2016 – **REVIEWER**  
CHI '16 '17 '18 '19 '20, '21 '22; UIST '17 '18 '19 '20 '21 '22; CSCW '21; ASSETS '20 '22; TACCESS '18, '20, '21; IEEE

## Selected Awards and Honors

2022	<b>WILLIAM CHAN MEMORIAL DISSERTATION AWARD</b> Awarded to two graduate students in UW CSE
2021	<b>GOOGLE-CMD-IT LEAP ALLIANCE FELLOWSHIP</b> Awarded to three graduate students in the US.
2021	<b>MICROSOFT RESEARCH DISSERTATION GRANT</b> For PhD dissertation proposal: "Sound Sensing and Feedback Techniques for Deaf and Hard of Hearing Users"
2019	<b>MADRONA PRIZE RUNNER UP</b> During Industry Affiliates at the University of Washington for the project: In-Home Sound Awareness
2019	<b>PEOPLE'S CHOICE AWARD</b> During Industry Affiliates at the University of Washington for the project: In-Home Sound Awareness
2018	<b>PEOPLE'S CHOICE AWARD</b> During Industry Affiliates at the University of Washington for the project: Augmented Reality Captioning
2015 – 2016	<b>GOOGLE LIME FELLOWSHIP</b> Awarded to 10 graduate students with disabilities in the US
2015	<b>BEST PROPOSAL, MIT ICAMPUSPRIZE</b> Awarded for a vision to make MIT campus more accessible for people with disabilities
2013	<b>BEST UNDERGRADUATE THESIS</b> Among 250+ students in IIT Delhi class of 2013
2012 – 2013	<b>BEST UNDERGRADUATE RESEARCH PROJECT IN SEVERAL COMPETITIONS</b> Govt. of India Budding Innovators Award 2013, Govt. of India Young Innovators Award 2012, IBM Research Academic Exchange Award 2013, IBM Research Academic Exchange Award 2012, Quest Global Inc. Ingenium Award 2013, all awarded for the project Roshni: Indoor Navigation System for Visually Impaired Users.
2009	<b>ALL INDIA RANK 1</b> IIT Joint Entrance Exam (IIT-JEE), disabled category

## Invited Talks and Panels

Apr 2021	<b>ADVANCING SOUND ACCESSIBILITY</b> Invited Talk, CS Seminar, <b>University of Wisconsin</b>
Apr 2021	<b>ADVANCING SOUND ACCESSIBILITY</b> Invited Talk, CS Seminar, <b>University of Illinois Urbana-Campaign</b>
Mar 2021	<b>ADVANCING SOUND ACCESSIBILITY</b> Invited Talk, School of Interactive Computing Seminar, <b>Georgia Institute of Technology</b>
Mar 2021	<b>ADVANCING SOUND ACCESSIBILITY</b> Invited Talk, MARL+IDM, <b>New York University</b>
Mar 2021	<b>ADVANCING SOUND ACCESSIBILITY</b> Invited Talk, ATLAS colloquium, <b>University of Colorado-Boulder</b>
Mar 2021	<b>ADVANCING SOUND ACCESSIBILITY</b> Invited Talk, Institute of Software Research, <b>Carnegie Mellon University</b>
Feb 2021	<b>ADVANCING SOUND ACCESSIBILITY</b> Invited Talk, CSE Seminar, <b>University of Michigan</b>

Feb 2021	<b>ADVANCING SOUND ACCESSIBILITY</b> Invited Talk, iSchool Seminar, <b>The University of Texas at Austin</b>
Jan 2021	<b>ADVANCING SOUND ACCESSIBILITY</b> Invited Talk, <b>Microsoft Research-India</b>
Nov 2021	<b>SOUND ACCESSIBILITY</b> Invited Speaker, Introduction to Accessibility Class, University of Michigan
Mar 2021	<b>SIGCHI EC PANEL ON ACCESSIBILITY</b> Invited Panelist, SIGCHI EC Panel on Accessibility
Mar 2021	<b>INNOVATIONS IN SOUND SENSING AND FEEBDBACK</b> Guest Lecture, Introduction to HCI Class, Birla Institute of Technology and Sciences Pilani, Hyderabad, India
Mar 2021	<b>SOUND SENSING AND FEEBDBACK TECHNIQUES FOR DEAF AND HARD OF HEARING USERS</b> Guest Lecture, Introduction to HCI Class, Carnegie Mellon University, Pittsburgh, Pennsylvania
Feb 2021	<b>SOUNDWATCH: SMARTWATCH-BASED SOUND RECOGNITION FOR DEAF AND HARD OF HEARING USERS</b> Invited Speaker, Seminar Series, University of Washington Speech and Hearing Center, Seattle, Washington
Nov 2020	<b>NAVIGATING GRADUATE SCHOOL WITH A DISABILITY</b> Invited Speaker, HCI Seminar Series, Microsoft Research, Redmond, Washington
Feb 2020	<b>WHAT IS GRADUATE SCHOOL LIKE FOR STUDENTS WITH DISABILITIES?</b> Invited Speaker, Massachusetts Institute of Technology, Boston, Massachusetts
Jan 2016	<b>APPLICATIONS OF SCUBA DIVING SIMULATOR FOR THE NAVY</b> Invited Speaker, United States Navy, Boston, Massachusetts
Oct 2017	<b>DUB RETREAT PANEL ON ACCESSIBILITY</b> Invited Panelist, DUB Retreat Panel on Accessibility, University of Washington, Seattle
Aug 2017	<b>INCLUSIVE DESIGN</b> Invited Speaker, Social Justice & Equity Class, Indian Institute of Technology, Delhi, India
Nov 2013	<b>INNOVATIONS IN ACCESSIBILITY FOR PEOPLE WITH VISUAL IMPAIRMENT</b> Invited Speaker, Microsoft Research, Bangalore, India

## Grants

Aug 2021	<b>GOOGLE-CMD-IT LEAP ALLIANCE FELLOWSHIP GRANT – \$25,000</b> Sound Sensing and Feedback Techniques for Deaf and Hard of Hearing Users <a href="#">Dhruv Jain</a>
May 2021	<b>MICROSOFT RESEARCH DISSERTATION GRANT – \$25,000</b> Sound Sensing and Feedback Techniques for Deaf and Hard of Hearing Users <a href="#">Dhruv Jain</a>
Apr 2020	<b>UW REALITY LAB GRANT – \$50,000</b> Moving Beyond Speech: Designing New Sound Feedback Visualizations for Deaf and Hard of Hearing Users <a href="#">Dhruv Jain</a> , <a href="#">Jon E. Froehlich</a> , <a href="#">Leah Findlater</a>
Oct 2015	<b>MIT COUNCIL OF ARTS GRANT – \$4,000</b> Scuba Diving Simulation Using Virtual Reality <a href="#">Dhruv Jain</a> , <a href="#">Chris Schmandt</a>
Aug 2015	<b>MIT MEDIA LAB GIFT – \$1,500</b> To organize the first American Sign Language class at MIT <a href="#">Dhruv Jain</a> , <a href="#">Barbara Johnson</a>
Jun 2015	<b>MIT PUBLIC SERVICE CENTER GRANT – \$1,600</b> Wearable Devices to Support Sound Awareness for Deaf and Hard of Hearing Users <a href="#">Dhruv Jain</a>

## Students Mentored

2021 –	<b>Hang Do</b> , Undergraduate, Computer Science and Engineering, UW (currently at UW)
2020 –	<b>Quan Dang</b> , Undergraduate, Computer Science and Engineering, UW (currently at UW)
2020 –	<b>Rachel Grossman-Kahn</b> , Freelance user experience designer
2020 – 2021	<b>Khoa Nguyen</b> , Undergraduate, Computer Science and Engineering, UW (currently at Amazon)
2019 – 2020	<b>Ru Guo</b> , Undergraduate, Computer Science and Engineering, UW (currently at UW)
2019 – 2020	<b>Yiru Yang</b> , Undergraduate, Computer Science and Engineering, UW (currently at UW)
2019 – 2020	<b>Xu Bin</b> , Masters, HCI+D, UW (currently at UW)
2018 – 2020	<b>Venkatesh Potluri</b> , Ph.D., Computer Science and Engineering, UW (currently at UW)
2019 – 2020	<b>Hung Ngo</b> , Undergraduate, Computer Science and Engineering, UW (currently at Amazon)
2019 – 2020	<b>Kelly Mack</b> , Ph.D., Computer Science and Engineering, UW (currently at UW)
2019	<b>Akli Amrous</b> , High School Student, Bishop Blanchet (currently at Bishop Blanchet)
2018	<b>Angela Carey Lin</b> , High School Student, Seattle Prep (currently undergraduate at U Penn)
2015 – 2016	<b>Justin Chiu</b> , Undergraduate, Mechanical Engineering, MIT (currently at SpaceX)
2015 – 2016	<b>Raymond Wu</b> , Undergraduate, Electrical Engineering and Computer Science, MIT (currently at Attentive)
2015 – 2016	<b>Rodrigo Marques</b> , Undergraduate, Electrical Engineering and Computer Science, MIT (currently at TerraMagna)
2015 – 2016	<b>Jingru Guo</b> , Undergraduate, Rhode Island School of Design (currently at Amazon)
2015 - 2018	<b>Anand Parikh</b> , Undergraduate, IIT Madras (currently CEO of Shira MedTech)
2015	<b>Kabir Abiose</b> , Undergraduate, Mechanical Engineering, MIT (currently PhD student at Stanford University)
2014 – 2015	<b>Brendon Chiu</b> , Undergraduate, Mechanical Engineering, MIT (currently at Virgin Orbit)
2014 – 2015	<b>Eric Manzi</b> , Undergraduate, Computer Science, MIT (currently at Facebook)
2014	<b>Rohit Satija</b> , Masters, Biotechnology, IIT Delhi (currently postdoc at UC Berkeley)
2013 – 2014	<b>Arjun Bhatia</b> , Undergraduate, IIT BHU (currently a freelance author)

## Selected Press Articles

Oct 2021	<a href="#">Allen School News, Dhruv Jain wins Google Research/CMD-IT LEAP dissertation fellowship for research...</a>
Oct 2021	<a href="#">Google Blog, Meet the Ph.D. students changing the face of computing</a>
Aug 2021	<a href="#">Allen School News, Dhruv Jain wins Microsoft Research Dissertation Grant for his work leveraging HCI and AI...</a>
Dec 2020	<a href="#">The Week, An app that alerts people to sounds (<i>in print only</i>)</a>
Nov 2020	<a href="#">Science News, A smartwatch app alerts users with hearing loss to nearby sounds</a>
Oct 2020	<a href="#">Forbes, Smartwatch App Notifies Deaf And Hard Of Hearing People Of Sounds</a>
Oct 2020	<a href="#">New Atlas, SoundWatch alerts deaf and hard-of-hearing people to important sounds</a>
Oct 2020	<a href="#">Yahoo News, Scientists Develop Smartwatch that Alerts Hearing-impaired Persons of Nearby Sounds</a>
Oct 2020	<a href="#">CNN – News18, Scientists Develop Smartwatch that Alerts Hearing-impaired Persons of Nearby Sounds</a>
Oct 2020	<a href="#">E&amp;T Magazine, Smartwatch app alerts deaf people to everyday sounds</a>
Oct 2020	<a href="#">Futurity, Watch App Identifies Sounds for Deaf and Hard-of-Hearing People</a>
Oct 2020	<a href="#">New Atlas, SoundWatch alerts deaf and hard-of-hearing people to important sounds</a>
Oct 2020	<a href="#">Medgadget, SoundWatch Alerts Deaf Users of Nearby Activity</a>
Oct 2020	<a href="#">UW News, SoundWatch: New smartwatch app alerts DHH users to birdsong, sirens and other desired sounds</a>
Nov 2019	<a href="#">GeekWire, A smart ring for AR, real-time AI for healthcare, and more UW tech innovations</a>
Nov 2019	<a href="#">BusinessWire, Madrona Awards 2019</a>
Nov 2018	<a href="#">GreekWire, From fighting Alzheimer's to AR captions, UW CSE students show cutting-edge innovations</a>
Aug 2016	<a href="#">Quartz, The invention of the scuba simulator can transform the way humans think about the ocean</a>
May 2016	<a href="#">Business Insider, MIT's virtual scuba simulator makes you feel like you are really underwater</a>
Apr 2016	<a href="#">MIT Tech Review, Disability-Simulating VR Promotes Empathy</a>
Apr 2016	<a href="#">ACM TechNews, Experiencing Underwater Worlds, Virtually</a>
Apr 2016	<a href="#">BostInno, VR on Steroids: This 3D Simulator Makes Your Entire Body Feel Like You're Scuba Diving</a>
Apr 2016	<a href="#">R&amp;D World, Scuba Dive Without Getting Wet</a>
Apr 2016	<a href="#">Phys.org, SCUBA simulator advances VR research while exploring the relationship between diving and disability</a>
Apr 2016	<a href="#">ECN Mag, SCUBA simulator advances the field of virtual reality</a>
Apr 2016	<a href="#">Azo Sensors, Amphibian SCUBA Diving Simulator Lets Abled People Experience Underwater World</a>
Mar 2016	<a href="#">MIT News, Experiencing underwater worlds, virtually</a>
Jul 2015	<a href="#">MIT News, Vision for a more accessible MIT campus</a>
Oct 2014	<a href="#">Metro (UK), Infrared guidance for the blind (<i>in print only</i>)</a>
Oct 2014	<a href="#">New Scientist, Light beacons let map app talk to blind people</a>
Jan 2014	<a href="#">Hindustan Times, A seeing eye app for indoor use</a>
Dec 2013	<a href="#">Electronics for You, Roshni - Indoor Navigation System for visually impaired</a>
Jul 2014	<a href="#">Deccan Herald, No dearth of avenues</a>
Jun 2013	<a href="#">Times of India, Winners of 'QuEST Ingenium 2013' announced</a>



Dec 2012 | Deccan Herald, [Working to beat disability](#)  
Apr 2012 | Dainik Bhaskar, [IIT's invention: Blind people will reach their destination without any help](#)  
Apr 2012 | Hindustan Times, [A taste of future with students of IIT Delhi](#)  
Apr 2012 | Indian Express, [IIT showcases camouflage tech, multiple-user screens](#)  
May 2009 | Times of India, [Father helped him with notes, he heard the call](#)  
May 2007 | The Hindu, [Disabled boy scores 95% \(in print only\)](#)  
May 2007 | Hindustan Times, [Overcoming odds to reach the top](#)