

# PAUL T. CHIOU

Ph.D. Candidate in Computer Science  
University of Southern California

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## SUMMARY

More than five years of research experience in addressing digital accessibility problems in software engineering. Helped to secure an NSF Grant and managed the funded research projects that led to seven top-tier publications and a patent on using program analysis techniques to automatically detect and repair accessibility issues in web and mobile applications. A beneficiary of assistive technologies and an advocate for disability research with a vision to improve software accessibility to create a web and mobile environment that is more inclusive for all.

## EDUCATION

<b>University of Southern California</b>	August 2018 –
Ph.D. in Computer Science	May 2025
GPA: 3.57	(Expected)
Research interest: Software Analysis and Testing, Web and Android Accessibility	
Research Advisor: Dr. William G.J. Halfond	

<b>California State Polytechnic University, Pomona</b>	June 2018
M.S. in Computer Science	
GPA: 4.00	
Major Field of Study: Software Engineering / CS Education	
Committee: Dr. Gilbert Young (Advisor), Dr. Yu Sun, Dr. Daisy Sang	

<b>California State Polytechnic University, Pomona</b>	March 2017
B.S. in Computer Science	
GPA: 3.84	Summa Cum Laude
Minor in Mathematics	

<b>Mount San Antonio College</b>	June 2015
A.A. in Mathematics	
GPA: 3.80	Honors

<b>Mount San Antonio College</b>	June 2013
A.S. in Computer Programming	
GPA: 3.93	Scholastic Honors

<b>Mount San Antonio College</b>	June 2013
A.A. in Information Technology	
GPA: 3.93	Scholastic Honors

<b>Mount San Antonio College</b>	June 2013
A.A. in Business	
GPA: 3.93	Scholastic Honors

## PUBLICATIONS

### Refereed Conference Papers

1. **Paul T. Chiou**, Robert Winn, Ali S. Alotaibi, and William G.J. Halfond, “Automatically Detecting Reflow Accessibility Issues in Responsive Web Pages”. *46th IEEE/ACM International Conference on Software Engineering (ICSE)*. April 2024. Article No.: 147, pp. 1-13, doi: 10.1145/3597503.3639229.

2. Ali S. Alotaibi, **Paul T. Chiou**, Fazle Mohammed Tawsif, and William G.J. Halfond, "ScaleFix: An Automated Repair of UI Scaling Accessibility Issues in Android Applications". *39th IEEE International Conference on Software Maintenance and Evolution (ICSME)*. October 2023. pp. 147-159, doi: 10.1109/ICSME58846.2023.00025.
3. **Paul T. Chiou**, Ali S. Alotaibi, and William G.J. Halfond, "BAGEL: An Approach to Automatically Detect Navigation-Based Web Accessibility Barriers for Keyboard Users". **Honorable Mention Award**. *2023 ACM CHI Conference on Human Factors in Computing Systems (CHI)*. April 2023. Article No.: 45, pp. 1-17. doi: 10.1145/3544548.3580749.
4. **Paul T. Chiou**, Ali S. Alotaibi, and William G.J. Halfond, "Detecting Dialog-Related Keyboard Navigation Failures in Web Applications". *45th IEEE/ACM International Conference on Software Engineering (ICSE)*. May 2023. pp. 1368-1380, doi: 10.1109/ICSE48619.2023.00120.
5. Ali S. Alotaibi, **Paul T. Chiou**, and William G.J. Halfond, "Automated Detection of TalkBack Interactive Accessibility Failures in Android Applications". *15th IEEE International Conference on Software Testing, Verification and Validation (ICST)*. April 2022. pp. 232-243, doi: 10.1109/ICST53961.2022.00033.
6. Ali S. Alotaibi, **Paul T. Chiou**, and William G.J. Halfond, "Automated Repair of Size-Based Accessibility Issues in Mobile Applications". *36th IEEE/ACM International Conference on Automated Software Engineering (ASE)*. November 2021. pp. 730-742, doi: 10.1109/ASE51524.2021.9678625.
7. **Paul T. Chiou**, Ali S. Alotaibi, and William G.J. Halfond, "Detecting and Localizing Keyboard Accessibility Failures in Web Applications". *29th ACM Joint European Software Engineering Conference and Symposium on the Foundations of Software Engineering (ESEC/FSE)*. August 2021. pp. 855-867. doi: 10.1145/3468264.3468581.
8. Abdulmajeed Alameer, **Paul T. Chiou**, and William G.J. Halfond, "Efficiently Repairing Internationalization Presentation Failures By Solving Layout Constraints". *12th IEEE International Conference on Software Testing, Verification and Validation (ICST)*, Xi'an, China, 2019. pp. 172-182. doi: 10.1109/ICST.2019.00026.
9. **Paul T. Chiou**, Yu Sun, and G S. Young, "PAULS CART 2.0: An Improved Assistive System to Support Inclusive CS Education for Tetraplegics". *14th International Conference on Frontiers in Education: Computer Science and Computer Engineering 2018 (CSCE-FECS)*, pp. 151-157. ISBN: 1-60132-477-4.
10. **Paul T. Chiou** and G S. Young, "Implementing Recommendations of Accessibility Technology Guidelines- The Quantitative Effects and Benefits It Offers to Non-Disabled Students". *4th Computational Science & Computational Intelligence- The International Symposium on Education 2017 (CSCI-ISED)*, pp. 1137-1142. doi: 10.1109/CSCI.2017.198.
11. Peter Chen, **Paul T. Chiou**, and G S. Young, "A Learning Module of the Dynamic Programming 0/1 Knapsack Problem using KLA Modelling". *4th Computational Science & Computational Intelligence- The International Symposium on Education 2017 (CSCI-ISED)*, pp. 1055-1060. ISBN: 1-60132-469-3.
12. **Paul. T. Chiou**, Yu Sun and G. S. Young, "A Complexity Analysis of The JPEG Image Compression Algorithm" *9th Computer Science and Electronic Engineering 2017 (CEEC)*, pp. 65-70. doi: 10.1109/CEEC.2017.8101601.
13. Peter Chen, **Paul T. Chiou**, and G S. Young, "A Study of Learning Effectiveness on the Dijkstra's Algorithm Modeled in an Interactive KLA Approach". *13th International Conference on Frontiers in Education: Computer Science and Computer Engineering 2017 (CSCE-FECS)*, pp. 234-238, August 2017. ISBN: 1-60132-457-X.

## Refereed Journals

14. **Paul T. Chiou**, Yu Sun, and G S. Young, “A Survey to Real-Time Message Routing Network System with KLA Modelling”. *International Journal in Foundations of Computer Science & Technology (IJFCST)*, Vol.7, No.3/4, pp.1-22, July 2017. doi: 10.5121/ijfcst.2017.7401.

## Oral Presentations

15. **Paul T. Chiou**, Yu Sun, “Modeling DDoS Attack using Amazon's Elastic Compute Cloud (EC2) Servers”. *5th Annual Cal Poly Pomona Research, Scholarship, and Creative Activity Conference 2017 (RSCA)*. Pomona, CA, March 2017.
16. **Paul T. Chiou**, Yu Sun, “Computer-Vision-Based Indoor Navigation with Adaptive Mobile Technology”. *SIGGRAPH 2017*. Los Angeles, CA, August 2017.

## Poster Presentations

17. **Paul T. Chiou**, Ali S. Alotaibi, and William G.J. Halfond, “BAGEL: An Approach to Automatically Detect Navigation-Based Web Accessibility Barriers for Keyboard Users”. *ARCS Foundation Los Angeles Chapter Scholarship Luncheon 2022*. Pasadena, CA, November 2022.
18. **Paul T. Chiou**, Ali S. Alotaibi, and William G.J. Halfond, “Detecting and Localizing Keyboard Accessibility Failures in Web Applications”. *ARCS Foundation Los Angeles Chapter Scholarship Luncheon 2021*. Los Angeles, CA, April 2022.
19. **Paul T. Chiou**, Yu Sun, “EnvisioNyx: An Automated Assistive Tool to Integrate Web Accessibility Compliance for The Visually Impaired”. *25th Southern California Conferences for Undergraduate Research 2017 (SCCUR)*. Pomona, CA, November 2017.
20. **Paul T. Chiou**, G S. Young, “Implementing Recommendations of Accessibility Technology Guidelines- The Quantitative Effects and Benefits It Offers to Non-Disabled Students”. *29th Great Minds in STEM HENAAC Conference 2017*. Pasadena, CA, October 2017.
21. **Paul T. Chiou**, Yu Sun, “An Empirical Study of Accessibility Practices on Google Play's Top Free Android Applications”. *3rd Cal Poly Pomona Creative Activities and Research Symposium 2017 (CPP CARS)*. Pomona, CA, August 2017.

## MSCS Thesis

22. **Paul T. Chiou**, Yu Sun, and G S. Young, “Prototyping Affordable User-friendly Learning System using Current Assistive Renovating Technologies”. California State Polytechnic University, Pomona, May 2018.

## Papers In Preparation/Submission

23. **Paul T. Chiou**, Xingxin Guo, and William G.J. Halfond, “An Empirical Study of Keyboard Accessibility Failures in the Web”. 2024
24. Robert Winn, **Paul T. Chiou**, and William G.J. Halfond, “Segmenting Web Pages for Automatic Accessibility Navigation Issue Detection”. 2025
25. Christina Chaniotaki, **Paul T. Chiou**, and William G.J. Halfond, “An Empirical Evaluation of Web Applications from the Keyboard Perspective”. 2025

## PATENTS

1. Detecting Keyboard Accessibility Issues in Web Applications. Pub No. US11886648B2 Pub Date January 30, 2024

## EXPERIENCES

### InspireAbility Inc.

*Founder, President – Oversees the 501(c)(3) Non-Profit Organization to create an inclusive digital world through innovation, awareness, and education.*

Los Angeles, CA  
May 2023 – Present

### University of Southern California

*Research Assistant – Development of automatic test and repair of accessibility issues in web and Android applications*

Los Angeles, CA  
August 2018 – Present

- Over 5 years of research experience investigating digital accessibility issues in software engineering and ensuring quality assurance for accessibility.
- Part of a team that secured a \$495k NSF Grant for research in developing automated accessibility auditing and remediation tools.
- Contributed to seven publications in prestigious software engineering and HCI conferences with an average acceptance rate of 23.9%, covering the detection and repair of accessibility issues in web and mobile applications.
- Peer-reviewed four manuscripts on software accessibility for top-tier conferences and journals in assistive technology and human-computer interaction.
- Granted a U.S. patent for using program analysis techniques to automatically detect accessibility failures affecting keyboard-based users per WCAG standards.
- Conducted thorough accessibility testing across over a thousand popular real-world Web and Android applications.
- Extensive experience in usability testing with various forms of assistive technology across different OS environments, collaborating with over 30 individuals with diverse disabilities, including motor, vision, and auditory impairments.

### University of Southern California

*Teaching Assistant for CSCI-310 (Software Engineering)*  
*Teaching Assistant for CSCI-585 (Database Systems)*

Los Angeles, CA  
August 2018 –  
March 2024

- Integrated web accessibility into an undergraduate software engineering course, designing lectures and instructing over 300 students across two semesters.
  - Explored the impact of various disabilities on user interaction with web applications.
  - Highlighted the importance of WCAG success criteria during the requirement analysis phase of the SDLC.
  - Examined project planning, including data on the costs associated with integrating accessibility into development.
  - Demonstrated best practices and common antipatterns in front-end UI design and implementation.

- Provided hands-on instruction in accessibility testing techniques, comparing automated vs. manual methods and usability testing approaches.
- Designed open-ended exam questions and corresponding grading rubrics focused on web accessibility within the software development lifecycle.
- Created interactive class modules where students competed to identify and fix accessibility issues on live web pages using WCAG advisory techniques.
- Mentored two undergraduate students in conducting empirical study-based accessibility research to quantify faults and assess the severity of accessibility failures.
- Engaged in 17+ guest speaking appearances at universities, colleges, and conferences, advocating for software accessibility and inclusive design.

**California State Polytechnic University, Pomona**  
**Computer Science Department**

*Teaching/Research Assistant for CS 530 (Advanced Algorithm Design and Analysis)*

Pomona, CA  
 September 2017 –  
 December 2017

**California State Polytechnic University, Pomona**  
**Computer Science Department**

*Teaching/Research Assistant for CS 331 (Design and Analysis of Algorithms)*  
*Teaching Assistant for CS 375 (Computers and Society)*

Pomona, CA  
 June 2017 – July 2017

**Mount San Antonio College, Walnut**  
**Department of Mathematics**

*Web Designer Volunteer- Develop and maintain websites, including UI design, working with MySQL, WordPress, PHP, JavaScript, HTML5, Flash, CSS, and Bootstrap.*

Walnut, CA  
 January 2014 – May 2018

## PROJECTS

### Accessibility Internet Rally (AIR) 2021 at Knowbility

- Improved the accessibility of a non-profit organization's (Brain Education Strategies) website per WCAG. Served as the *Testing & Quality Assurance Lead* in a team competition project to incorporate various accessibility needs into their WordPress site. \*Won 2<sup>nd</sup> place out of 18 teams\*

### Empirical Study on Web Accessibility in Software Forensics

- “Addressing accessibility failures in web applications: how far are we as software engineers?” Short paper.

### Undergraduate Dota2 Machine Learning Project

- Retrieved data through Steam's API and parsed the information from JSON to *Scikit-learn's* format. Implemented Logistic Regression, Neuro Network, and SVM to predict a Dota2 match's winning rate. Accuracy 55-60%.

### Undergraduate Bronco Express Live Map Project

- Developed the backend for a shuttle mapping serverless web service. Implemented with *AWS Lambda* and *DynamoDB* to track Bronco Express with API in real-time, storing and retrieving bus locations.

### Dashboard Project (In collaboration with Salesforce)

- Performed data mining through Facebook’s API authentication. Implemented with PHP to fetch the users’ number of posts and words by posts on their timeline. Stored results in a SQL database, then analyzed and displayed in an Interactive UI implemented with PHP & JavaScript using *Highcharts*.

## SKILLS & ABILITIES

### Programming Languages

- Java, Python, JavaScript, HTML5, CSS, SQL, VB

### Software/IDE

- IntelliJ IDEA, Eclipse, PyCharm, MySQL, Git, Junit, Docker, TensorFlow

### Spoken Languages

- English – Native or bilingual proficiency
- Mandarin Chinese – Native or bilingual proficiency

## CERTIFICATES

- |  |              |
|--|--------------|
| • IAAP Certified Professionals in Accessibility Core Competencies (CPACC)  | August 2024  |
| • Guinness World Records Title Holder ( <i>Most kills in a single Dota 2 solo match with a head-tracking mouse</i> ) | January 2024 |
| • Google Applied CS with Android   | May 2016     |
| • CIS Professional Certificate in Object-Oriented Design & Programming   | June 2013    |
| • CIS Professional Certificate in C++ Programming  | June 2007    |
| • CIS Professional Certificate in Visual Basic Programming   | June 2007    |

## AWARDS AND DISTINCTIONS

### External Awards

- **Honorable Mention Paper Award, CHI 2023** – top 5% of submissions to the CHI conference; awarded by the SIGCHI community to recognize significant contributions to the field.
- **Google Lime Scholarship (2022 – 2023)** – one of twelve scholarship recipients funded by Google for students with disabilities in the U.S. or Canada pursuing a CS degree.
- **ARCS Scholarship (2020 – 2023)** – one of eight scholars in STEM representing USC among the top R1 research institutions in the greater Los Angeles area.
- **CSU Trustees' Award for Outstanding Achievement - Trustee Emerita Claudia Hampton Scholar (2017)** – the CSU’s highest recognition of student achievement, representing (Cal Poly Pomona) one of the 23 students, one from each of the CSU’s 23 campuses to receive the award.
- **CSU Edison Scholars Scholarship (2017)** – One of the prestigious scholarships awarded to the top candidates of California State University graduate students in STEM.

### University of Southern California

- USC Graduate School Annenberg Fellowship (2018 – 2020)

#### **Cal Poly Pomona**

- CPP OUR Research Scholar Distinction (2017)
- College of Science Dean's Honor List (2015 – 2017)
- College of Science President's Honor List (2016)
- BBH Computer Science Scholarship (2015 – 2016)

#### **Mount San Antonio College**

- Joshua Briggs Memorial Scholarship (2013)
- Osher Scholarship (2013)
- Gerald Peter Memorial - Mathematics & Computer Science Achievement Award Scholarship (2012)
- Cardenas Markets, Inc. Scholarship (2012)
- Mt. SAC Student of Distinction - Personal Achievement Honor (2008)

#### **Miscellaneous**

- Knowbility Accessibility Internet Rally (AIR) 2021 2<sup>nd</sup> Place Winner (2022)
- Las Floristas Scholar at Rancho Los Amigos National Rehabilitation Center (2010 – Present)

#### ***Travel Grants***

- USC Graduate School Travel/Research Award (2023)
- CRA-WP Grad Cohort for Underrepresented Minorities and Persons with Disabilities (URMD) (2020)
- CPP OUR Student Travel Fund Award to attend CSCE-FECS (2017)

## **SCHOLARLY ACTIVITIES**

#### **University Services**

- Accessible Events Focus Group – USC Office of Institutional Accessibility & ADA Compliance, (2023)
- Student Representative – Accessible Technology Initiative (ATI) Working Group (IT Governance Sub-Committee) Cal Poly Pomona (2017)
- Cal Poly Pomona Science Council Executive Board Secretary of the College of Science (2017)

#### **Clubs/Honor Societies**

- USC Student Assembly for Accessibility (2021 – 2022)
- Computer Science Society (CSS) (ACM Student Chapter) (2015 – 2018)
- Delta Epsilon Iota (DEI) Honor Society CPP Chapter (2015 – 2017)
- Golden Key (GK) International Honor Society at CPP (2014 – 2015)
- National Society of Leadership and Success (NSLS) CPP Chapter (2015 – 2017)
- Phi Theta Kappa Honor Society (Alpha Omega Alpha Chapter) (2013 – 2015)

#### **Miscellaneous**

- Academic Mentor/Inspirational Speaker of the Foundation for the Disabled Youth (FFDY) (2013)

## SERVICE ACTIVITIES

### Referee and Reviewer Service

- **IEEE Transactions on Software Engineering [2024-10]** – Reviewer of a mobile accessibility paper submitted to the journal. *October 2024*.
- **Assistive Technology Journal [2024-02]** – Reviewer of a manuscript on web accessibility submitted to the journal. ISSN: 1949-3614. *February 2024*.
- **Conference on Human Factors in Computing Systems [2023-10]** – Reviewer of a web accessibility paper submitted to CHI 2024 Papers Track. *October 2023*.
- **IEEE Transactions on Software Engineering [2023-05]** – Helped co-review a mobile accessibility paper submitted to IEEE TSE journal. *May 2023*.
- **ACM Symposium on User Interface Software and Technology [2022-04]** – Helped co-review a mobile accessibility paper submitted to UIST 2022. *April 2022*.

## SUPERVISED/MENTORED STUDENTS

### Undergraduate Students

- **Allen Gutierrez - University of Southern California** (2024 – Present) – Mentored CS undergraduate student of underrepresented groups to prepare and get involved in research or CS-related careers and gave insight into being a Ph.D. student in CS.
- **Cameron Green - University of Southern California** (2024 – Present) – Mentored CS undergraduate student of underrepresented groups and provided guidance in course selection, academic studies, independent preparation, and general advice.
- **Xingxin Guo - University of Southern California** (2024 – Present) – Supervised CS undergraduate student on research on the technicality of keyboard accessibility, including quantitatively identifying faults and severity for accessibility failures.
- **Nathan Chan - University of Southern California** (2022 – 2023) – Supervised CS undergraduate student on how to do empirical evaluations in web accessibility in software engineering by formulating research questions and defining protocols.

### Other

- **Basha Choudhury - Redondo Union High School** (2023 – 2023) – Supervised high school senior interning at my Ph.D. advisor's lab on how to do research by identifying the online trending digital accessibility topics.

## MEDIA APPEARANCES

- **SXSW 2024 PanelPicker** – “Coding Accessibility: Developing Our Inclusive Future” [Link](#). *March 11, 2024*
- **Viterbi News Now Episode 49** – “CS PhD student Paul Chiou's research on keyboard accessibility” [Link](#). *July 9, 2023*



- **The New Stack Global Accessibility Awareness Day Appearance** – “A11y: GitHub Brings Accessibility to 85% of Open Source” [Link](#). *May 18, 2023*
- **GitHub ReadME Project** – “Coding accessibility: Disability as catalyst for creativity” [Link](#). *May 9, 2023*
- **World Journal Newspaper** – “Shi Shuo News/Genius? Chinese man with high paraplegia enters TOP10 school for Ph.D.” [Link](#). *July 29, 2022*
- **USC Office of the Provost** – “A Serendipitous Meeting of the Minds—Creating Equal Opportunity to Succeed Online” [Link](#). *May 24, 2022*
- **USC Global Accessibility Awareness Day Feature** – “Students improve mobile app accessibility for people with disabilities” [Link](#). *May 19, 2022*
- **USC Viterbi Magazine** – “What If The Internet Was Accessible To All?” [Link](#). *March 17, 2021*
- **CSU Accessible Technology Initiative (ATI) Inclusivity Feature** – “Creating An Inclusive Environment Is A Shared Responsibility” [Link](#). *2019*
- **Cal Poly Pomona PolyCentric** – “Computer Science Student Receives Top CSU Award” [Link](#). *September 19, 2017*
- **CSU The California State University** – “CSU 'Trustees' Award, Meet the Awardees” [Link](#). *May 2017*
- **Tzu Chi USA 360** – “A Man Like No Other” [Link](#). *November 25, 2015*
- **Cal Poly Pomona PolyCentric** – “Paul Chiou Hopes to Bring Computer Accessibility to the Ones in Most Need” [Link](#). *April 21, 2016*
- **Mt. SAC Mountaineer Newspaper** – “Freedom lies in the mind of the beholder” *October 8, 2013*
- **Los Angeles Times** – “Paul Chiou, 25, who is quadriplegic, video tapes Spinal Injury Games played at Rancho Los Amigos Na” [Link](#). *October 8, 2010*
- **The Merit Times** – “Wheelchair Boy Chiou Tse-Wen Draws a Brave New World” [Link](#). *March 17, 2005*

## INVITED TALKS

### Guest Speaker/Lecture at University Events

- **Mt. SAC CS Club Speaker Session & Q&A** (*October 28, 2020*) – Served on a panel among other academic and industry CS alums. My role was to give perspective on the transition from Mt. SAC to a Ph.D. student. Gave a summary of experience in a11y research and as a Ph.D. student (academia).
- **USC Viterbi Graduate Admission panelist** (*April 8, 2021*) – Served as a student panelist at Cal Poly Open House and spoke about Ph.D. life and current research in a11y. “The goal was to provide the pathways and tools needed for Cal Poly students to pursue advanced studies and their academic careers.”
- **AT Class at Western University of Health Sciences** (*April 22, 2021*) – Appeared as a guest speaker to a group of Physical Therapist students to co-teach a class on various Assistive Technologies. Shared experiences on how I use them as well as adapting to life as a quadriplegic and living a life of research.
- **USC ACM Research Fair 2023** (*February 28, 2023*) – Presented accessibility research to undergraduate students and pitched the importance of from a software quality perspective.

- **Guest lecturer at the University of Southern California** (*April 24, 2023*) – Taught CSCI-310 Software Engineering students modern web accessibility and current best practices per WCAG standards. Designed and carried out a hands-on activity where students competed to debug accessibility bugs on live web pages.
- **Guest speaker at the University of Toronto** (*July 25, 2023*) – Presented research on analyzing accessibility bugs to UofT’s Knowledge Media Design Institute. Hosted a live Q&A session to discuss inclusive design with the students in the user experience design and library sciences department.
- **VGSA Disability Resource & Awareness Fair** (*January 19, 2024*) – Presented to students and professors the benefits of keyboard accessibility in today’s digital world. Reached out to various Viterbi students across different majors and raised awareness about digital disability.
- **Guest lecturer at the University of Southern California** (*March 4, 2023 & March 6, 2024*) – Gave a two-day guest lecture to CSCI-310 Software Engineering students on modern web accessibility and current best practices per WCAG standards. Designed and carried out a hands-on activity where students competed to debug accessibility bugs on live web pages.
- **Guest lecturer at Villanova University** (*April 8, 2024*) – Invited as a guest speaker for the “CS for Good” Course. Gave a talk on web and keyboard accessibility to a class of undergraduate CS students. Provided supplementary material on web accessibility for those who wanted to learn more on the topic.

#### Talks at External Community Events

- **Ignite CS Programming Expo** (*May 5, 2019*) – Gave a live in-person talk to 200+ K-12 students on pathways to CS. Gave an overview on Software Engineering w.r.t CS. Briefly touched on web a11y.
- **Guest speaker at Triumph Foundation** (*March 30 & April 3, 2021*) – Gave a guest speaker talk to a group of Spinal Cord Injury patients. Provided education on their familiar topic on ADA a11y but in the digital domain (which all were unfamiliar with). Presented current a11y research in Software Engineering.
- **Kids summer virtual Neuroscience/Coding camp talk** (*May 27, 2021*) – Gave a guest speaker talk to junior high school students on CS career aspiration and disability awareness. Presented Software Engineering + Testing, my current research on web a11y, and what coding can do.
- **John Slatin AccessU Conference 2022** (*May 12, 2022*) – Served as a panelist for a workshop that led discussions on accessibility and the Accessibility Internet Rally (AIR). This took place during Knowbility’s prominent annual AccessU conference on Accessible Design and Digital Inclusion.
- **Collaboration and accessibility: a conversation with Paul Chiou and Ali Alotaibi** (*October 20, 2023*) – Invited to talk at Microsoft’s Lunch-and-Learn event. Gave a high-level overview of keyboard accessibility in gaming and web applications. Presented my personal experiences on assistive technologies and how to collaborate with individuals with disabilities in workspaces.
- **ARCS Foundation speaker** (*November 10, 2023*) – Selected to speak at the annual ARCS achievement awards luncheon (Los Angeles Chapter) about my research in CS. Among the scientists from all different disciplines, I represented the domain of software engineering and spoke about my work in software accessibility and its importance in increasing the livelihoods of people with disabilities.
- **Coding Accessibility: Developing Our Inclusive Future** (*March 11, 2024*) – Participated in a program as a panelist alongside several notable accessibility experts at SXSW 2024. Discussed the evolution of accessibility and inclusion in software development, what it means to be a developer with a disability, and how bringing parity across technology stands to improve our lives.

- **TDI NextGen Accessibility Summit 2024** (*September 17, 2024*) – Invited panelist for the "Driving Inclusion and Accessibility Forward" session. Together with industry-leading experts and policymakers, we discussed practical insights into integrating technologies into daily life, adopting and advocating for advanced accessibility solutions, and the fine line between accessibility and equity.
- **A11Y Insights Podcast Guest at Venngage** (*October 18, 2024*) – Featured in an episode of the A11Y Insights podcast series hosted by Venngage to chat about my experience and the landscape and future of assistive technologies to help raise accessibility awareness.