THE UNIVERSITY OF BRITISH COLUMBIA
Curriculum Vitae for Faculty Members

Date: July 14, 2022 **Initials**: $\mathcal{D}.\mathcal{Y}.$

1. **SURNAME**: Yoon **FIRST NAME**: Dongwook

2. **DEPARTMENT/SCHOOL:** Computer Science

3. **FACULTY**: Science

4. **PRESENT RANK**: Assistant Professor **SINCE**: Aug 2017

5. POST-SECONDARY EDUCATION

University or Institution	Degree	Subject Area	Dates
Cornell University	Ph.D.	Information Science[1]	2012 - 2017
Seoul National University	M.Sc	Electrical Engineering and Computer Science	2007 - 2009
Seoul National University	B.Sc.	Electrical Engineering	2003 - 2007

6. EMPLOYMENT RECORD

(a) Prior to coming to UBC

University, Company or Organization	Rank or Title	Dates
edX	Research Intern	2015 (summer)
Microsoft Research	Research Intern	2014 (summer)
Microsoft Research	Research Intern	2013 (summer)
Korea Institute of Science and Technology	Research Scientist	2009 - 2012

(b) At UBC

Rank or Title	Dates
Assistant Professor	Aug 2017 - present

7. LEAVES OF ABSENCE

University, Company or Organization at which Leave was taken	Type of Leave	Dates
UBC	Parental Leave	Oct - Dec, 2019

[1] Title of Ph.D. Dissertation: Enhancing Expressivity of Document-Centered Collaboration with Multimodal Annotations. Name of Supervisor: François Guimbretière .

8. TEACHING

(a) Areas of special interest and accomplishments

(150 words summary) I have spent substantial effort on creating, revising, and delivering human-computer interaction (HCI) curricula at UBC. My philosophy, influenced by social constructivism and constructionism, is to balance theory and practice by incorporating hands-on learning activities in socially situated groups of peer learners, mentors, and instructors. For this, I form a community of practice in classrooms; incorporate diversity, equity, and inclusion in learning goals; and apply the iterative design process to curriculum development. I have created two new graduate courses (CPSC 554K and 554Y) and significantly revised one undergraduate course (CPSC 334), as follows:

- Creating the industry-academia partnership model for the "DFP Project (CPSC 554K)"
- Creating UBC's first research course on immersive technology, "Designing Augmented and Virtual Reality Experiences (CPSC 554Y)"
- Flipping and hyflexing "Introduction to HCI Methods (CPSC 344)"

For details of these accomplishments, please see my teaching statement.

(b) Courses Taught at UBC

Year	Session	Course Number	Scheduled Hrs per Wk	Class Size	Units	Total Hrs Taught per Wk	
						Lecture	Labs/Projects
2022	Spring	CPSC 554Y	3	13	3	3	-
2021	Fall	CPSC 344	3	109	3	3	2
2021	Spring	CPSC 554Y	3	15	3	3	-
2020	Fall	CPSC 344	3	119	3	3	2
2020	Spring	CPSC 554K†	2	16	3	2	3
2019	Fall	CPSC 344	3	119	3	3	2
2019	Spring	CPSC 554Y	3	7	3	3	-
2019	Spring	CPSC 554K†	2	10	3	2	3
2018	Fall	CPSC 344	3	118	3	3	2
2018	Spring	CPSC 554Y	3	9	3	3	-
2018	Spring	CPSC 554K†	2	11	3	2	3

†The first two CPSC 554K offerings were led by Machiel Van der Loos. I led the instruction team in the third offering. This is the full list of co-instructors:
- 2018: Machiel Van der Loos (lead), Dongwook Yoon, Eric Meyers, Leila Aflatoony
- 2019: Machiel Van der Loos (lead), Dongwook Yoon, Sabrina Hauser
- 2020: Dongwook Yoon (lead), Leanne Currie

(c) Students Supervised and/or Cosupervised at UBC

Postdoc(s) and Research Associate(s) Supervised

Name	Position	Duration	Principal Supervisor	Co-supervisor
Dr. Cleidson de Souza	Research Associate	2022 - cont.	Dongwook Yoon	Ivan Beschastnikh
Dr. Ning F. Ma	Postdoc	2021 - cont.	Dongwook Yoon	

Graduate Students Supervised

Name	Program	Year		Principal Supervisor	Co-supervisor(s)
		Start	Finish		
Chenxinran Shen	PhD-Track	2021	cont.	D. Yoon	J. McGrenere
Anika Sayara	Ph.D.	2020	cont.	D. Yoon	
Thitaree Tanprasert	Ph.D.	2019	cont.	D. Yoon	
Mehrnoosh Shirvani	M.Sc.	2022	cont.	D. Yoon	
Jackie Liu	M.Sc.	2022	cont.	D. Yoon	
Amit Ghimire	M.Sc.	2021	cont.	D. Yoon	
Oloff Biermann	M.Sc.	2020	2022	D. Yoon	
Frances Sin	M.Sc.	2019	2021	D. Yoon	
Ashish Chopra	M.Sc.	2018	2021	D. Yoon	
†Anna Maria Offenwanger	M.Sc.	2018	2020	D. Yoon	Julia Bullard
†Mohi Reza	M.Sc.	2018	2020	D. Yoon	
Yelim Kim	M.Sc.	2017	2020	D. Yoon	J. McGrenere
Taslim Arefin Khan	M.Sc.	2017	2019	J. McGrenere	D. Yoon

†These students went on to do a Ph.D. in HCI. Offenwanger went to the Université Paris-Saclay and Reza to the University of Toronto.

Undergraduate Students Supervised

Name	Program	Duration	Project
Jesse Wong	UBC SURE	05/22 – 08/22	Pull Request Discussions Interfaces
Jessica Huang	UBC SURE	01/22 – 08/22	Worker Well-being in the Gig Economy
Alethea Kramer	UBC SURE	05/22 – 08/22	Ethics in Human Surrogates
Suzette Sun	Ugrad co-op	09/21 – 04/22	Pull Request Discussions Interfaces
Yufei (Suki) Cai	Ugrad co-op	09/21 – 04/22	Pull Request Discussions Interfaces
Naveen Sivasankar	Dir. studies	09/21 – 04/22	Pull Request Discussions Interfaces
Ivan Song	Dir. studies	01/21 – 04/21	Augmented Reality Interfaces
Tabreek Somani	UBC SURE	02/21 – 08/21	Gender Disparity in the Gig Economy
Patrick Lee	NSERC USRA	02/21 – 08/21	Ethics in Human Surrogates
†Helen Wang	Ugrad co-op	05/21 – 08/21	Video-based Music Learning
Shannon Kao	Ugrad co-op	05/21 – 08/21	Video-based Music Learning
Sophie Berger	NSERC USRA	05/20 – 08/20	Elderly Use of Technology in the Pandemic
†Oloff Biermann	NSERC USRA	05/20 – 08/20	Speech Interfaces
†Joice Tang	NSERC USRA	05/20 – 08/20	AI for Video-based Learning
Alan John Milligan	Ugrad co-op	05/20 – 08/20	Gender Bias in HCI Research
Yang Mo	Ugrad co-op	05/20 – 08/20	Interfaces for Pull Request Discussions
Frances Sin	NSERC USRA	05/19 – 08/19	Augmented Reality Interfaces
†Janet Chen	NSERC USRA	05/19 – 08/19	Augmented Reality Interfaces
†Matin Yarmand	NSERC USRA	05/19 – 08/19	Video Interfaces
Austin Kobayashi	Ugrad co-op	05/19 – 05/20	Speech Interfaces
†Caitlin Coyiuto	Ugrad co-op	09/18 – 04/19	Virtual Reality Interfaces
Colin Chen	Ugrad co-op	05/18 – 08/18	Speech Interfaces
†Kevin Chow	NSERC USRA	05/18 – 08/18	Virtual Reality Interfaces

†Matin Yarmand	NSERC USRA	05/18 – 08/18	Video Interfaces

†These students went on to grad schools to study HCI. Yarmand went on to do a Ph.D. at UCSD, Chow a Ph.D. at UBC, Chen a Ph.D. at Cornell, Tang a Ph.D. at U. Washington, Coyiuto a Master's at CMU, Biermann a Master's at UBC, and Wang a Master's at U. of Toronto.

9. SCHOLARLY AND PROFESSIONAL ACTIVITIES

(a) Areas of special interest and accomplishments

I pursue interaction-design research in the field of computer-supported cooperative work and social computing (CSCW) and, more broadly, human-computer interaction (HCI). CSCW and HCI are broad multi-disciplinary fields involving academics from many areas, such as computer science, psychology, cognitive science, sociology, mechanical engineering, and industrial engineering. My goal is to make technology-mediated social interactions richer, more inclusive, and more humane. To understand the human social processes in online platforms and better support them through technology design, I assess user needs in socio-technical systems and address such needs by building and testing novel interactive systems. My research program makes academic and practical impacts through research publications in CSCW/HCI journals and top-tier conferences, industry collaboration, and field deployments of research systems.

(b) Research or equivalent contracts

n/a

(c) Invited Presentations (Non-Conference)

Critical Speculation of AI's Impact on Self-hood and Relationship
Lehigh University, Bethlehem, PA. Jun 22, 2022.

Asynchronous collaborations for augmented and virtual reality
Sejong University, Seoul, Korea (online). Oct 22, 2021.

Rich collaboration systems
Adobe Research, San Francisco, CA (online). Jul 20, 2021.

Asynchronous collaborations for augmented and virtual reality
Korea Institute of Science and Technology, Seoul, Korea (online). Jul 1, 2021.

Rich collaboration systems
Radical Research Summit, Vancouver, BC, Canada. Sep 28, 2018.

(d) Other Presentations (lectures)

Rich collaboration systems
UBC COGS 401 (guest lecture), Vancouver BC. Mar 1, 2022.

Rich collaboration systems
UBC Sauder School: Accounting and Information Systems Research Workshop, Vancouver, BC, Canada. Jan 25, 2019.

Rich collaboration systems
UBC Emerging Media Lab Lecture, Vancouver, BC, Canada. March 27, 2018.

Rich collaboration systems
Cornell CS 6360: Educational Technology (guest lecture), Ithaca, NY, Nov 16 and Feb 5, 2016.

(f) Other

n/a

(g) Conference Participation (Organizer, Keynote Speaker, etc.)

- Organizing Committee: CSCW 2022 (Video Program Co-chair)
- Workshop Organization. Workshop on *Artificial Intelligence for Video-based Learning at Scale.* ACM Learning at Scale. 2020.

10. SERVICE TO THE UNIVERSITY

(a) Memberships on committees, including offices held and dates

Service for the Design for People Research Cluster

- 2021/22– Showcase Event Co-chair
- 2020/21, 2021/22 – Seminar Series Steering Committee, Chair
- 2017/18, 2018/19, 2019/20 – Seminar Series Steering Committee, Member
- 2018 – DFP Webpage Renovation

Departmental Committees

- 2021/22 – Committee for Outreach, Diversity and Equity (CODE), Member
- 2020/21 – Merit Review Committee, Member
- 2020/21 – BCS Admissions Committee, Member
- 2019/20 – Student Development Committee, Member
- 2017/18, 2018/19 – Graduate Recruiting and Admissions Committee, Member

(b) Other service, including dates

Graduate Supervisory Committees

Start dates are when I joined students' committees.

Student Name	Program	Year		Principal Supervisor
		Start	Finish	
Mui Tanprasert	PhD-Track	2022	cont.	Joanna McGrenere (UBC, CS)
Sang-Wha Sien	Ph.D.	2022	cont.	Joanna McGrenere (UBC, CS)
Enrique Rosales	Ph.D.	2018	2022	Alla Sheffer (UBC, CS)
Matt Fong	Ph.D.	2018	2021	Sidney Fels (UBC, ECE)
Samuel Dodson	Ph.D.	2018	2021	Luanne Freund (UBC, iSchool)
Chenxi Liu	Ph.D.	2018	cont.	Alla Sheffer (UBC, CS)
Megha Kalia	Ph.D.	2020	cont.	Tim Salcudean (UBC, ECE)
Yue Huang	Ph.D.	2020	cont.	Konstantin Beznosov (UBC, ECE)

UBC Master's Thesis Second Reader / Examiner

Student Name	Department	Year	Principal Supervisor
Ege Unlu	CS	2021	Robert Xiao
Ranjitha Srinivasa	ECE	2021	Sidney Fels
Fan Wu	ECE	2020	Sidney Fels
Min Li	ECE	2019	Sidney Fels

Amon Ge	CS	2019	Giuseppe Carenini
Dilan Ustek	CS	2017	Karon MacLean

11. SERVICE TO THE COMMUNITY

(a) Program Committees

- CSCW (ACM Conference on Computer-Supported Cooperative Work and Social Computing): 2018, 2020-22
- CHI (ACM Conference on Human Factors in Computing Systems): 2019-20
- CPTTE (Conference on Pen and Touch Technology in Education): 2017

(b) Reviewer (journal, agency, etc. including dates)

Conferences

- ACM Conference on Computer-Supported Cooperative Work and Social Computing (CSCW): 2014-17, 2019
  Outstanding Reviewer Recognition on 2019
- ACM Conference on Human Factors in Computing Systems (CHI): 2015-18, 2021, 2022
- ACM Symposium on User Interface Software and Technology (UIST): 2014-19
- ACM Conference on Designing Interactive Systems (DIS): 2020

Journals

- International Journal of Educational Technology in Higher Education: 2021
- Transactions on Computer-Human Interaction: 2020-21
- IEEE Virtual Reality: 2018
- International Journal of Human-Computer Studies: 2017

Granting Agencies

- NSERC Alliance, 2022
- Mitacs Elevate, 2019

(c) Other services to the community

- Participated in NSERC-NSF workshops on integrating consideration of diversity in NSE research, 2020 and 2021.

12. AWARDS AND DISTINCTIONS

(a) Awards for Scholarship

- ACM DIS Honorable Mention Award for [C15]. ACM Conference on Designing Interactive Systems. 2022
  Top 4.3% of submissions. Out of 469 submissions, 4 papers received a Best Paper and 16 received an Honorable Mention.
- ACM CSCW Impact Recognition Award for [J5]. ACM Conference on Computer-Supported Cooperative Work and Social Computing. 2021.
  "Impact Recognitions are intended to recognize papers that contribute to a potentially significant impact in CSCW research, in practice, in design, in policy, or in the real world in substantive ways." 13 papers were given the award, out of a total 1,000+ papers submitted across CSCW 2021.
- ACM CHI Honorable Mention Award for [C7]. ACM Conference on Human Factors in Computing Systems.
  Top 5% of submissions. Out of 2,958 submissions, 29 papers received a Best Paper and 119 received an Honorable Mention.
- The Kwanjeong Educational Foundation Scholarship, To cover tuition and living expenses for the Ph.D. study. (USD 30k/year for 5 years), Aug 2012 – July 2017

(b) Awards for Teaching

- Outstanding Teaching Assistant Award, Cornell University, May 2014
- Outstanding Teaching Assistant Award, Cornell University, May 2013

THE UNIVERSITY OF BRITISH COLUMBIA
Publications Record

SURNAME: Yoon **FIRST NAME**: Dongwook **Initials**: $\mathcal{D}.\mathcal{Y}.$

Date: July 14, 2022

1. REFEREED PUBLICATIONS

My main publication outlets are the two top conferences in human-computer interaction (HCI): ACM Human Factors in Computing Systems (CHI) and Computer-Supported Cooperative Work & Social Computing (CSCW).

CHI is the top conference in HCI and related fields. I publish in CHI when the project can make a broad impact on the general field of HCI. CHI papers are at least as impactful as the first-tier HCI journals in terms of visibility and dissemination of research results. CHI papers go through stringent double-blind review by at least four and up to six reviewers. The acceptance rates for CHI have been consistently within the range of 22~27%, one of the most competitive in the domain. In terms of the h5-index (link, retrieved on June 31, 2022), CHI is ranked first in HCI.

CSCW is the top conference in the field of CSCW, which is generally considered a sub-field of HCI with a focus on collaboration systems and social computing. CSCW has adopted a journal publication model since 2017, archiving accepted full papers in standard issues of PACMHCI, which is the top HCI journal. CSCW papers go through a rigorous review process; about 50% of submissions are invited to the "revise and resubmit" phase, and only a portion of the revised submissions are accepted. In terms of the h5-index, CSCW is ranked second in HCI.

I also publish in other strong venues when the project topic has a cross-over with areas beyond HCI. My studies on educational technology have appeared in Learning at Scale (L@S) and the International Journal of Educational Technology in Higher Education (IJETHE). My publications in Information and Learning Sciences (ILS) and Joint Conference on Digital Libraries (JCDL) targeted the field of Library and Information Science. My paper in Designing Interactive Systems (DIS) has a strong theme of design research.

Why publish in conferences? In computer science, the average citation rate of papers published at top-tier conferences is comparable to or higher than that of journal papers (Chen and Konstan, 2010), and my research area is no exception. All papers in category 1b. Conference Proceedings have appeared at the top HCI venue, namely CHI, and other strong conferences such as DIS, L@S, and JCDL. All of these conferences have a rigorous double-blind review process that involves at least four and up to six reviewers. The publications in 1c. Other were less stringently reviewed.

Policy on authorship. In my subfield, the order of authors reflects their level of contributions, except that the last author is the primary faculty supervisor of the project. Names of student co-authors that I supervise for the published work are in **bold**. In the following list, five journal papers and seven journal-quality conference papers were under my direct supervision.

(a) Journals

J7. Enrique Rosales, Chrystiano Araujo, Jafet Rodriguez, Nicholas Vining, Dongwook Yoon, Alla Sheffer. *AdaptiBrush: Adaptive General and Predictable VR Ribbon Brush.* ACM Transaction on Graphics (TOG), Volume 40, Number 6, Article 247, 15 pages. 2021.

J6. **Frances Sin, Sophie Berger**, Ig-Jae Kim, Dongwook Yoon. *Digital Social Interaction in Older Adults During the COVID-19 Pandemic.* Proceedings of the ACM on Human-Computer Interaction (PACMHCI, CSCW), *Volume 5, Article 380, 20 pages.* 2021.

J5. **Ashish Chopra**, **Morgan Mo**, Samuel Dodson, Ivan Beschastnikh, Sidney S Fels, and Dongwook Yoon. *"@alex, this fixes #9": Analysis of Referencing Patterns in Pull Request Discussions.* Proceedings of the ACM on Human-Computer Interaction (PACMHCI, CSCW), Volume 5. Article 385, 25 pages. 2021. **Impact Recognition Award**

J4. **Joice Tang**, Kyoungwon Seo, Ido Roll, Sidney Fels, Dongwook Yoon. *The impact of artificial intelligence on learner-instructor interaction in online learning.* International Journal of Educational Technology in Higher Education, Volume 18, Number 1, 23 pages. 2021.

J3. **Samuel Dodson**, Ido Roll, Sidney S Fels, Dongwook Yoon. *Weaving Together Media, Technologies, and People: Students' Information Practices in Flipped Classrooms.* Information and Learning Sciences, Volume 120, Number 7/8, 22 pages, 2019.

J2. **Kevin Chow**, **Caitlin Coyiuto**, Cuong Nguyen, Dongwook Yoon. *Challenges and Design Considerations for Multimodal Asynchronous Collaboration in Virtual Reality.* Proceedings of the ACM on Human-Computer Interaction (PACMHCI, CSCW), Volume 3, Article 40, 24 pages. 2019.

J1. Soon Hau Chua, Toni-Jan Keith Palma Monserrat, Dongwook Yoon, Juho Kim, and Shengdong Zhao. *Facilitating Complex Referencing of Visual Materials in Asynchronous Discussion Interface.* Proceedings of the ACM on Human-Computer Interaction (PACMHCI, CSCW), Volume 1, Article 34, 19 pages. 2017.

(b) Conference Proceedings

C15. **Oloff Biermann, Ning F. Ma**, and Dongwook Yoon. *Why Storywriters Want to Retain Control Over Writing in Human-AI Co-writing: Emotional Values, AI Distrust, and Planning Strategies.* ACM Conference on Designing Interactive Systems (DIS), 28 pages. 2022. (Conference acceptance rate: 101/469 = 21.5%). **Honorable Mention Award**

C14. **Ning F. Ma**, Veronica Rivera, Zheng Yao, and Dongwook Yoon. *"Brush it Off": How Women Workers Manage and Cope with Bias and Harassment in Gender-agnostic Gig Platforms.* ACM Conference on Human Factors in Computing Systems (CHI), 13 pages. 2022. (Conference acceptance rate: 638/2,579 = 24.7%).

C13. Ranjitha Jaddigadde Srinivasa, Samuel Dodson, Kyoungwon Seo, Dongwook Yoon, Sidney Fels. *NoteLink: A Point-and-Shoot Linking Interface between Students' Handwritten Notebooks and Instructional Videos.* ACM/IEEE Joint Conference on Digital Libraries (JCDL), 10 pages. 2021. (Conference acceptance rate: 22/76 = 28.9%).

C12. **Anna Offenwanger, Alan John Milligan**, Minuk Chang, Julia Bullard, and Dongwook Yoon. *Diagnosing Bias in the Gender Representation of HCI Research Participants: How it Happens and Where We Are?* ACM Conference on Human Factors in Computing Systems (CHI), 18 pages. 2021. (Conference acceptance rate: 749/2,844 = 26.3%).

C11. **Mohi Reza** and Dongwook Yoon. *Designing CAST: A Computer-Assisted Shadowing Trainer for Self-Regulated Foreign Language Listening Practice.* ACM Conference on Human Factors in Computing Systems (CHI), 13 pages. 2021. (Conference acceptance rate: 749/2,844 = 26.3%).

C10. **Yelim Kim, Mohi Reza**, Joanna McGrenere, and Dongwook Yoon. *Designers Characterize Naturalness in VUIs: Their Goals, Practices, and Challenges.* ACM Conference on Human Factors in Computing Systems (CHI), 13 pages. 2021. (Conference acceptance rate: 749/2,844 = 26.3%).

C9. **Taslim Arefin Khan**, Dongwook Yoon, and Joanna McGrenere. *Designing an Eyes-Reduced Document Skimming App for Situational Impairments.* ACM Conference on Human Factors in Computing Systems (CHI), 14 pages. 2020. (Conference acceptance rate: 756/3,126 = 24.3%).

C8. Matthew Fong, Samuel Dodson, Negar M Harandi, Kyoungwon Seo, Dongwook Yoon, and Sidney S Fels. *Instructors Desire Student Activity, Literacy, and Video Quality Analytics to Improve Video-based Blended Courses.* ACM Learning at Scale (L@S), 10 pages. 2019. (Conference acceptance rate: 14/38 = 36.8%).

C7. **Matin Yarmand**, Dongwook Yoon, Samuel Dodson, Ido Roll, and Sidney S Fels. *"Can you believe [1:21]?!": Content and Time-Based Reference Patterns in Video Comments.* ACM Conference on Human Factors in Computing Systems (CHI), 12 pages. 2019. (Conference acceptance rate: 705/2,958 = 23.8%) **Best of CHI: Honorable Mention Award**

C6. Ian Arawjo, Dongwook Yoon, and François Guimbretière. *TypeTalker: A Speech Synthesis-Based Multimodal Commenting System.* ACM Conference on Computer-Supported Cooperative Work and Social Computing (CSCW), 12 pages. 2017. (Conference acceptance rate: 183/530 = 34.5%)

C5. **Venkatesh Sivaraman**, Dongwook Yoon, and Piotr Mitros. *SimpleSpeech: Simplified Audio Production in Asynchronous Voice-Based Discussions.* ACM Conference on Human Factors in Computing Systems (CHI), 10 pages. 2016. (Conference acceptance rate: 565/2435 = 23.2%)

C4. Dongwook Yoon, Nicholas Chen, Bernie Randles, Amy Cheatle, Steven Jackson, Corinna Loeckenhoff, Abigail Sellen, and François Guimbretière. *RichReview++: Deployment of a Collaborative Multimodal Annotation System for Instructor Feedback and Peer Discussion.* ACM Conference on Computer-Supported Cooperative Work and Social Computing (CSCW), 11 pages. 2016. (Conference acceptance rate: 142/571 = 24.9%)

C3. Dongwook Yoon, Ken Hinckley, Hrvoje Benko, François Guimbretière, Pourang Irani, Michel Pahud, and Marcel Gavriliu. *Sensing Tablet Grasp + Micro-mobility for Active Reading.* ACM User Interface Software and Technology Symposium (UIST), 11 pages. 2015. (Conference acceptance rate: 70/297 = 23.6%)

C2. Dongwook Yoon, Nicholas Chen, François Guimbretière, and Abigail Sellen. *RichReview: blending ink, speech, and gesture to support collaborative document review.* ACM User Interface Software and Technology Symposium (UIST), 10 pages. 2014. (Conference acceptance rate: 74/333 = 22.2%)

C1. Dongwook Yoon, Nicholas Chen, and François Guimbretière. *TextTearing: opening white space for digital ink annotation.* ACM User Interface Software and Technology Symposium (UIST), 6 pages. 2013. (Conference acceptance rate: 62/317 = 20.0%)

(c) Other

O15. **Thitaree Tanprasert**, Sidney S Fels, Luanne Sinnamon, and Dongwook Yoon. *Authoring Virtual Peer Interactions for Lecture Videos.* ACM Conference on Human Factors in Computing Systems (CHI), Extended Abstract and Poster, 2022. (Acceptance rate: 261/722 = 36.1%)

O14. **Thitaree Tanprasert**, and Dongwook Yoon. *AR Music Visualizers: Application Space and Design Guidelines.* ACM Conference on Human Factors in Computing Systems (CHI), Extended Abstract and Poster, 2022. (Acceptance rate: 261/722 = 36.1%)

O13. **Oloff C. Biermann**, Daniel Ajisafe, and Dongwook Yoon. *Interaction Design for VR Applications: Understanding Needs for University Curricula.* ACM Conference on Human Factors in Computing Systems (CHI), Extended Abstract and Poster, 2022. (Acceptance rate: 261/722 = 36.1%)

O12. **Joice Tang**, Ning F. Ma, and Dongwook Yoon. *Understanding how Customers Attribute Accountability in Food Delivery Break Downs.* Workshop on Transparency and Explanations in Smart Systems (TExSS) at IUI, Extended Abstract, 2021.

O11. Kyoungwon Seo, Sidney S Fels, Dongwook Yoon, Ido Roll, Samuel Dodson, and Matthew Fong. *Workshop on Artificial Intelligence for Video-based Learning at Scale.* ACM Learning at Scale (L@S), 2020.

O10. Samuel Dodson, Luanne Freund, Dongwook Yoon, Matthew Fong, Rick Kopak, and Sidney S Fels. *Video-based consensus annotations for learning: A feasibility study.* The 81st Association for Information Science and Technology Annual Meeting (ASIS&T), 2018. (Acceptance rate: 69/140 = 49.3%)

O9. Samuel Dodson, Ido Roll, Matthew Fong, Dongwook Yoon, Negar M. Harandi, and Sidney Fels. *Active Viewing: A Study of Video Highlighting in the Classroom.* ACM SIGIR Conference on Human Information Interaction and Retrieval (CHIIR), 2018. (Acceptance rate: 22/57 = 39%)

O8. Dongwook Yoon. *Asynchronous collaborations for augmented and virtual reality.* Workshop on Novel Interaction Techniques for Collaboration in VR. ACM Conference on Human Factors in Computing Systems (CHI), Position Paper, 2018.

O7. Samuel Dodson, Ido Roll, Matthew Fong, Dongwook Yoon, Negar M. Harandi, and Sidney Fels. *An Active Viewing Framework for Video-Based Learning.* ACM Conference on Learning at Scale (L@S), Work-in-Progress, 2018.

O6. Bernie Randles, Dongwook Yoon, Amy Cheatle, Malte Jung, and François Guimbretière. *Supporting Face-to-Face Like Communication Modalities for Asynchronous Assignment Feedback in Math Education.* ACM Conference on Learning at Scale (L@S), Poster, 2015.

O5. Dongwook Yoon. *Enriching Online Classroom Communication with Collaborative Multi-Modal Annotations.* ACM User Interface Software and Technology Symposium (UIST), Doctoral Consortium, 2015.

O4. Dongwook Yoon and Piotr Mitros. *Multi-Modal Peer Discussion with RichReview on edX.* ACM User Interface Software and Technology Symposium (UIST), Demo, 2015.

O3. Dongwook Yoon, Huaishu Peng, and Bin Xu. *Let me show you what i read: exploring referencing strategies for e-books.* ACM Conference on Human Factors in Computing Systems (CHI), Extended Abstract and Poster, 2013.

O2. Dongwook Yoon, Yongjun Cho, Ki-Won Yeom, and Ji-Hyung Park. *Touch-Bookmark: a lightweight navigation and bookmarking technique for e-books.* ACM Conference on Human Factors in Computing Systems (CHI), Extended Abstract and Poster, 2012.

O1. Dongwook Yoon, Joong Ho Lee, Kiwon Yeom, and Ji-Hyung Park. *Mobiature: 3d model manipulation technique for large displays using mobile devices.* International Conference on Consumer Electronics (ICCE), 2011.

2. PATENTS

P8. Yarmand, M., Yoon, D., and Fels, S. *Authoring Comments Including Typed Hyperlinks that Reference Video Content.* 16/389,807, 406300-US-NP / MS1-9366US, filed Apr 19, 2019.

P7. Yarmand, M., Yoon, D., and Fels, S. *Contextually-Aware Control Of A User Interface Displaying A Video And Related User Text.* 16/389,828, 406301-US-NP / MS1-9368US, filed Apr 19, 2019.

P6. Yarmand, M., Yoon, D., and Fels, S. *Auto-Completion For Content Expressed In Video Data*. 16/389,853, 406302-US-NP / MS1-9369US, filed Apr 19, 2019.

P5. Yarmand, M., Yoon, D., and Fels, S. *Previewing Video Content Referenced By Typed Hyperlinks In Comments.* 16/389,864, 406303-US-NP / MS1-9370US, filed Apr 19, 2019.

P4. Ji-Hyung Park, Dongwook Yoon, Yong Hun Choi, and Joong Ho Lee. *Head mounted display apparatus and contents display method*. US9250443B2, 2012. (Patent acquired by Samsung at 235k USD on Jan 2018.)

P3. Nicholas Chen, Abigail Sellen, and Dongwook Yoon. *Gestural annotations.* US20150248388A1, 2017.

P2. Ji-Hyung Park, Dongwook Yoon, Joong Ho Lee, Ki-Won Yeom. *Absolute image orientation displacement monitoring and manipulation apparatus.* US8878875, 2014.

P1. Dongwook Yoon and Hyeong-Seok Ko. *Method for population-driven identification of body landmarks*. US8406497, 2013.