Education	<b>Portland State University</b> Ph.D. in Computer Science	2012 - 2017		
	<b>Portland State University</b> Bachelor of Science in Computer Science	2010 - 2012		
	Ho Chi Minh City University of Science Bachelor of Science in Computer Science	2007 - 2009		
Research Interests	Human-Computer Interaction Video Visualization and Interaction Virtual Reality			
Honors & Awards	Best Paper Honorable Mention Award, ACM CHI Presidential Award for Academic Achievements, Portland State University Maseeh Fellowship, Portland State University Best Paper Honorable Mention Award, ACM CHI Best Paper Honorable Mention Award, ACM CHI	2017 2017 2015 2015 2013		
Experience	Research ScientistAdSan Francisco, CA201	dobe Research 7.10 – present		
	Research InternAdobe ResearchSan Francisco, CA2016.06 - 2016.12Work with Stephen DiVerdi and Aaron Hertzmann in the Creative Technologies Lab to research and develop new interfaces for Virtual Reality.			
	<ul> <li>Projects</li> <li>Vremiere: In-headset Virtual Reality Video Editing (Summer 2016): Develop a video editing system that allows editors to edit spherical video in the Oculus Rift headset. This project led to an accepted paper at ACM CHI 2017. It was also selected to present at Adobe Max 2016 Sneaks as project Clover (watch on YouTube).</li> </ul>			
	• CollaVR : Collaborative In-Headset Review for VR Video (Fall 2016): Develop an appli- cation that enables multiple filmmakers to collaborate and review VR video together while fully immersed in VR.			
	Graduate Research AssistantPortland StPortland, OR201Research and develop new visualization and interaction techniques for video apple	ate University 2.09 – 2017.10 ications.		
	<ul> <li>Projects</li> <li>Video Summagator: Develop a 3D video visualization-based interface for video summarization and navigation. Allows a user to quickly look into the video cube, understand the video, and navigate to the content of interest.</li> </ul>			
	• Direct Manipulation Video Navigation in 3D: Develop a 3D video navigation system that visualizes the motion and video frame in 3D, and allow a user to navigate the video by spatial-temporally manipulating the object in 3D.			
	• Direct Manipulation Video Navigation on Touch Screens: Explore the design issues of touch-based direct manipulation video navigation (DMVN) interf three new techniques for touch-based DMVN, and conduct a user study to techniques on both small and large touch screen devices.	and usability aces. Develop evaluate these		

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• *Responsive Tutorial Video Player*: Develop a new video navigation method that allows users to interact with software tutorial video as if they were using the software.

	• <i>Hotspot Video Surveillance System</i> : Develop a multi-video visus surveillance that allows the system designer to integrate noisy to improve the performance of the security staffs in surveillance	ualization system for video computer vision techniques e tasks.
	• Gaze-based Notetaking for Learning from Lecture Videos: Dever assist a user in notetaking while watching lecture videos. The s video analysis and online gaze analysis to provide automatic su such as highlighting notes and controlling video playback.	lop a gaze-based system to system can integrate offline apport for notetaking tasks
	• Depth conflict reduction techniques for stereo VR interfaces: Dev techniques, namely Dynamic Depth and Halo Blur, to reduce to in stereoscopic VR video applications.	velop two new UI-adjustment he depth conflict problems
	Graduate Teaching Assistant Portland, OR CS 333 (Introduction to Operating Systems) CS 202 (Programming Systems) CS 410/510 (Cloud and Cluster Data Management)	Portland State University 2012 – 2017
Publications	Depth Conflict Reduction for Stereo VR Video Interfaces Cuong Nguyen, Stephen DiVerdi, Aaron Hertzmann, Feng Liu In Proceedings of <i>CHI 2018 (condtionally accepted, 25.7% acceptanc</i>	e rate)
	CollaVR : Collaborative In-Headset Review for VR Video Cuong Nguyen, Stephen DiVerdi, Aaron Hertzmann, Feng Liu In Proceedings of UIST 2017 (22.5% acceptance rate)	
	Vremiere: In-Headset Virtual Reality Video Editing Cuong Nguyen, Stephen DiVerdi, Aaron Hertzmann, Feng Liu In Proceedings of <i>CHI 2017 (25% acceptance rate)</i> <b>Best Paper Honorable Mention Award</b>	
	Gaze-based Notetaking for Learning from Lecture Videos Cuong Nguyen and Feng Liu In Proceedings of <i>CHI 2016 (23.4% acceptance rate)</i>	
	Hotspot: Making Computer Vision More Effective for Human Video Cuong Nguyen, Wu-chi Feng, and Feng Liu Information Visualization (2016)	Surveillance
	Making Software Tutorial Video Responsive Cuong Nguyen and Feng Liu In Proceedings of CHI 2015 (23% acceptance rate) Best Paper Honorable Mention Award	
	Direct Manipulation Video Navigation on Touch Screens Cuong Nguyen, Yuzhen Niu, and Feng Liu In Proceedings of <i>MobileHCI 2014 (21.3% acceptance rate)</i>	
	Direct Manipulation Video Navigation in 3D Cuong Nguyen, Yuzhen Niu, and Feng Liu In Proceedings of CHI 2013 (20% acceptance rate) Best Paper Honorable Mention Award	
	Video Summagator: An Interface For Video Summarization and Nav Cuong Nguyen, Yuzhen Niu, and Feng Liu In Proceedings of <i>CHI 2012 (23% acceptance rate)</i>	rigation
Activities	Reviewer for IEEE VR 2018, ACM ISS 2017, ACM Multimedia 20 Multimedia 2016, CHI WIP 2013 Presentation at CHI 2017, CHI 2016, CHI 2015, MobileHCI 2014, CH	17, IEEE Transactions on HI 2013, CHI 2012

Skills	Programming languages: $C^{++}$ , Python, $C^{\#}$ , SQL
	Virtual Reality development: Oculus Rift SDK, Unity, OpenGL, network (ZeroMQ), spatial audio (Steam Audio, Hoa Library)
	Video interaction and visualization: video processing (OpenCV), GUI design and programming (OpenFrameworks, Processing, FLTK), visualization (VTK), eye tracking (Tobii EyeX SDK), depth sensor (Intel RealSense SDK), statistical analysis (SPSS)
References	Feng Liu, Associate Professor, advisor at Portland State University, fliu@cs.pdx.edu Wu-chi Feng, Chair / Professor, Portland State University, wuchi@cs.pdx.edu Stephen DiVerdi, Senior Research Scientist, mentor at Adobe Research, diverdi@adobe.com Aaron Hertzmann, Principal Scientist, mentor at Adobe Research, hertzmann@adobe.com