Chong-U Lim

	Building 14N-207 Massachusetts Institute of Technology 77 Massachusetts Avenue, Cambridge, MA 02139 http://people.csail.mit.edu/culim culim@mit.edu	
	Last	Updated: June 27, 2016
EDUCATION	<i>Ph.D., Candidate</i> , Electrical Engineering & Computer Scier Massachusetts Institute of Technology, Cambridge, MA, US Thesis Title: Me, My Avatar(s), and AI: Computational Me Users and Virtual Identities for Analysis, Design, and Devel Advisor: Prof. D. Fox Harrell	A odels of
	Master of Science, Electrical Engineering & Computer Scier Massachusetts Institute of Technology, Cambridge, MA, US Advisor: Prof. D. Fox Harrell	
	Bachelor of Engineering, Computing 1st Class Honours Imperial College London, London, United Kingdom Advisor: Prof. Simon Colton	2006–2009
WORK EXPERIENCE	 Lead Client Developer Nov 2010 to August 2 Playfish, Electronic Arts Interactive, London, United Kingdom Managed a team on one of the top social network games on Facebook. Worked with producers and product managers to lead the client developm team in the implementation and development of gameplay features. 	
	 Game Developer Playfish, Electronic Arts Interactive, London, United Kingd Implementing gameplay features and tools for hit soci Worked on the commercially successful Facebook gamehad more than 10 million monthly active users. 	al games on Facebook.
	 Gameplay Programmer Intern Kuju Entertainment, Sheffield, United Kingdom Worked on a commercial title, using the Unreal Engine Worked on code maintenance, bug-fixing, downloada gameplay profiling. 	
TEACHING EXPERIENCE	 Head Teaching Assistant 6.005 Software Construction Department of Electrical Engineering and Computer Science Assisted with teaching a highly enrolled class of under Organized scheduling for other teaching and lab assist Implemented systems and software for managing class 	graduate students. ants.

• Assisted in lesson planning, code-reviewing, and other related activities.

Teaching Assistant

Fall 2014

6.005 Software Construction

Department of Electrical Engineering and Computer Science, MIT, Cambridge, USA

- Assisted with teaching a highly enrolled class of undergraduate students.
- Implemented systems and software for managing classes and grading.
- Graded individual student assignments.
- Assisted in lesson planning, code-reviewing, and other related activities.
- Mentored students for their group project.

Teaching Assistant

Fall 2013

Spring 2013

CMS.628/CMS.828 Advanced Identity Representation Comparative Media Studies/Writing Program, MIT, Cambridge, USA

- Assisted with teaching a seminar-styled class of graduate and undergraduate students.
- Organized and planned readings, class activities and assignments.
- Re-factored and implemented framework for the semester-long project.

Teaching Assistant

6.813/6.831 UI Implementation & Design

Department of Electrical Engineering and Computer Science, MIT, Cambridge, USA

- Assisted with teaching a highly enrolled class of graduate and undergraduate students.
- Prepared in-class activities and programming lab assignments.
- Graded individual student assignments.
- Mentored students for their semester-long group projects.

Undergraduate Teaching Assistant

Fall 2008–Spring 2009

Department of Computing, Imperial College London, London, United Kingdom

- Responsible for the preparation of Personal Programming Tutorial (PPT) sessions for first year undergraduate students.
- Assisted the assigned tutor with conducting tutorials, providing guidance, and monitoring the progress of students.
- Grading weekly lab assignments and providing feedback for the students.

RESEARCHArtificial Intelligence, Computational Intelligence and Videogames, Data-driven In-
ference and Analytics, Machine Learning, Human-Computer Interaction, User Inter-
face and User Experience Design, Digital Media Systems

AWARDS	Singapore Challenge 2016 Finalist Global Young Scientists Summit @ One-North 2016 The National Research Foundation of Singapore	2016
	NRF GYSS Nominated Participant Nominated by: Office of the Dean of Graduate Education (ODGE) (Top-3 of All MIT Applicants) Massachusetts Institute of Technology	2016
	Global Young Scientists Summit @ One-North 2016 The National Research Foundation of Singapore	

	Travel Grant Award (Summer 2015) / USD \$500.00 Graduate Student Council Massachusetts Institute of Technology	2015
	Travel Grant Award (Summer 2014) / USD \$970.00 Graduate Student Council Massachusetts Institute of Technology	2014
	Travel Grant Award (Summer 2013) / USD \$750.00 Graduate Student Council Massachusetts Institute of Technology	2013
	Social Networking Game of the Year The Sims Social Academy of Interactive Arts and Sciences 2012	2012
	Performance Recognition Award Playfish, Electronic Arts Interactive In recognition for contributions to teamwork and development.	2010 & 2011
	Departmental Prize for Excellence Imperial College London Awarded to a final year student for outstanding overall performance	2009
	Distinguished Project Prize Imperial College London For outstanding individual project in terms of technical achievement as	2009 nd presentation.
	Gloucester Research Prize Imperial College London Awarded annually to up to ten non-final year students of each of the Computing, Mathematics and Physics for academic excellence.	2008 departments of
PROFESSIONAL SERVICE	Program Committee Member 3rd AIIDE Workshop on Experimental AI and Games AAAI Conference on Artificial Intelligence and Interactive Digital San Francisco, CA, USA.	2016 Entertainment,
	Program Committee Member 12th Annual AAAI Conference on Artificial Intelligence and Interac tertainment, San Francisco, CA, USA.	2016 tive Digital En-
	Program Committee Member IEEE International Conference on Computational Intelligence and Ga Greece.	2016 ames, Santorini,
	Technical Program Committee Member 8th Computer Science & Electronic Engineering Conference, Essex, U	2016 nited Kingdom.
	Co-Organizer 2nd Computational Creativity and Games Workshop International Conference on Computational Creativity, Paris, France	2016 e.
	Program Committee Member	2015

2nd AIIDE Workshop on Experimental AI and Games AAAI Conference on Artificial Intelligence and Interactive Digital Entertainm Santa Cruz, CA, USA.	ient,
Technical Program Committee Member Special Session on Computational Intelligence and Games 7th Computer Science & Electronic Engineering Conference, Essex, United Kingd	2015 lom.
Co-organizer f 1st Computational Creativity and Games Workshop International Conference on Computational Creativity, Park City, UT, USA.	2015
Program Committee Member26th FDG Workshop on Procedural Content GenerationInternational Conference on Foundations of Digital Games, Pacific Grove, CA, U	2015 JSA.
Invited Talk – Speaker Invited Graduate Student Speaker with Prof. D. Fox Harrell Culture Coding: Thinking Identity, Expression and Computation Visions and Voices, University of Southern California, CA, USA. Sep-29.	2014
Program Committee Member 1st AIIDE Workshop on Experimental AI for Games AAAI Conference on Artificial Intelligence and Interactive Digital Entertainm Raleigh, CA, USA.	2014 nent,
Local Organizer 2 DAGGER: Game Development & Academic Demo Night 1st AIIDE Workshop on Artificial Intelligence and Game Aesthetics	2013
Program Committee Member 1st AIIDE Workshop on Artificial Intelligence and Game Aesthetics AAAI Conference on Artificial Intelligence and Interactive Digital Entertainmen	2013 nt

Publications

REFEREED JOURNAL ARTICLES	Diego Perez, Spyridon Samothrakis, Julian Togelius, Tom Schaul, Simon I Adrien Couetoux, Jerry Lee, Chong-U Lim and Tommy Thompson "The 2014 General Video Game Playing Competition" <i>IEEE Transactions on</i> <i>putational Intelligence and AI in Games</i> , PP(99). 15 pp.	
	D. Fox Harrell, Chong-U Lim, Sonny Sidhu, Ayse Gursoy, and Jia Zhang "Playing Mimesis: Engendering Understanding Via Experience of Social Discr tion with an Interactive Narrative Game," <i>Electronic Book Review</i> . Nov 2, 20	
CONFERENCE PROCEEDINGS	Chong-U Lim, Antonios Liapis, and D. Fox Harrell "Discovering Social and Aesthetic Categories of Avatars: A Bottom-Up Ar Intelligence Approach Using Image Clustering" <i>Proceedings of the 1st Interna</i> <i>Joint Conference on DiGRA and FDG</i> , Dundee, Scotland. Aug 01 – Aug 06.	ational 16 pp.
	Chong-U Lim and D. Fox Harrell	2015

"A Data-Driven Approach for Computationally Modeling Players' Avatar Customization Behaviors" Proceedings of the AAAI Conference on Artificial Intelligence and Interactive Digital Entertainment, Santa Cruz, CA, USA, Nov 14 – Nov 18. 7 pp.

Chong-U Lim and D. Fox Harrell "Understanding Users' Identities and Behavioral Archetypes from Avatar Customization Data" Proceedings of the IEEE Conference on Computational Intelligence and Games, Tainan, Taiwan, Aug 31 – Sep 2. 8 pp.

Chong-U Lim and D. Fox Harrell 2015"Developing Computational Models of Players Identities and Values from Videogame Avatars" Proceedings of the Foundations of Digital Games Conference, Pacific Grove, CA, USA, Jun 22 – Jun 25. 5 pp.

Chong-U Lim and D. Fox Harrell 2015"Revealing Social Phenomena in Videogames using Archetypal Analysis" Proceedings of the 5th AISB Symposium on Artificial Intelligence and Games, Kent, Canterbury, England, United Kingdom, Apr 20. 6 pp.

Chong-U Lim and D. Fox Harrell 2015"Toward Telemetry-driven Analytics for Understanding Players and their Avatars in Videogames" In CHI'15 Extended Abstracts, Proceedings of the ACM SIGCHI Conference on Human Factors in Computing Systems, Seoul, South Korea Apr 18 -Apr 23. pp. 1175–1180.

Chong-U Lim and D. Fox Harrell 2014"Developing Social Identity Models of Players from Game Telemetry Data" Proceedings of the AAAI Conference on Artificial Intelligence and Interactive Digital Entertainment, Raleigh, NC, USA Oct 3 – Oct 7. pp. 125 – 131.

Chong-U Lim and D. Fox Harrell 2014"An Approach to General Videogame Evaluation and Automatic Generation using a Description Language" Proceedings of IEEE Conference on Computational Intelligence and Games, Dortmund, Germany, Aug 26 – Aug 29. pp. 286–293.

D. Fox Harrell, Dominic Kao, Chong-U Lim, et al. 2014"Authoring Conversational Narratives in Games with the Chimeria Platform," Proceedings of the Foundations of Digital Games Conference, Ft. Lauderdale, FL, USA, Apr 3 – Apr 7. 8 pp. *Exemplarary Paper*.

D. Fox Harrell, Dominic Kao, Chong-U Lim, et al. 2014 "The Chimeria Platform: User Empowerment through Expressing Social Group Membership Phenomena," Proceedings of Digital Humanities Conference, Lausanne, Switzerland, Jul 8 – Jul 12. 7 pp.

2013 Chong-U Lim, and D. Fox Harrell "Modeling Player Preferences in Avatar Customization using Social Network Data," Proceedings of the IEEE Conference on Computational Intelligence and Games, Niagara Falls, Canada, Aug 11-Aug 13. pp. 153-160.

D. Fox Harrell, Chong-U Lim, Jia Zhang, and Dominic Kao 2013 "The Living Liberia Fabric: An Interactive Narrative Artwork Memorializing Civil War in Liberia," Proceedings of the International Symposium on Electronic Art, Sydney, Australia, Jun 7–Jun 16.

	Chong-U Lim, Robin Baumgarten, and Simon Colton. 2010 "Evolving Behaviour Trees for the Commercial Game DEFCON," Applications of Evolutionary Computation, pp. 100-110. Springer Berlin Heidelberg, *Best Paper Nominee (Evo*Games Track)* .	
WORKSHOP PAPERS	Chong-U Lim and D. Fox Harrell 2015 "Comparing Clustering Approaches for Modeling Players' Values through Avatar Construction" <i>Proceedings of the 1st AIIDE Workshop on Player Modeling</i> , Santa Cruz, CA, USA, Nov 14 – Nov 15. 7 pp.	
	Chong-U Lim and D. Fox Harrell 2015 "The Marginal: A Game for Modeling Players' Perceptions of Gradient Membership in Avatar Categories" Proceedings of the 2nd AIIDE Workshop on Experimental AI and Games, Santa Cruz, CA, USA, Nov 14 – Nov 15. 7 pp.	
	D. Fox Harrell, Dominic Kao, and Chong-U Lim 2013 "Computationally Modeling Narratives of Social Group Membership with the Chime- ria System," Proceedings of the 2013 Workshop on Computational Models of Narra- tive a satellite workshop of CogSci 2013: The 35th meeting of the Cognitive Science Society, Berlin, Germany, Jul 31-Aug 3. pp. 123-128.	
JURIED EXHIBITIONS & DEMOS	D. Fox Harrell, Dominic Kao, and Chong-U Lim 2015 "Toward Understanding Real-World Social Impacts of Avatars" <i>Electronic Literature</i> <i>Organization Conference</i> , Bergen, Norway, Aug 5 – Aug 7. 1 pp.	
	D. Fox Harrell, Dominic Kao, Chong-U Lim, et al. 2014 "Stories of Stigma and Acceptance Using the Chimeria Platform," 2014 Conference of the Electronic Literature Organization, Milwaukee, WI, USA, Jun 19 – Jun 21.	
	D. Fox Harrell, Dominic Kao, Chong-U Lim, et al. 2014 "Modeling Social Group Membership Using an Interactive Narrative Authoring Plat- form," 7th Workshop on Intelligent Narrative Technologies, Milwaukee, WI, USA, Jun 19 – Jun 21. 1 pp.	
	D. Fox Harrell, Chong-U Lim, Sonny Sidhu, et al. 2012 "Exploring Everyday Creative Responses to Social Discrimination with the Mime- sis System," Demo Abstract, <i>Proceedings of the 2012 International Conference on</i> <i>Computational Creativity</i> , Dublin, Ireland, May 30-Jun 1.	