




VICTOR A. MATEEVITSI

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EDUCATION

Ph.D. Candidate, Human Augmentics

Department of Computer Science, University of Illinois at Chicago
Advisor: Andrew Johnson

2009 - Present

Chicago, IL

Bachelors of Science, Computer Science and Technology

University of Peloponnese
Advisors: George Lepouras, Costas Vassilakis

2002 - 2007

Tripolis, Greece

AWARDS AND HONORS

20 in their 20s

Best Paper Award

Fifty For The Future®

Certificate of Appreciation for outstanding performance
and lasting contribution to Wearable Technology

Best Augmented Reality Hardware (Finalist)

Image of Research (Finalist)

Crain's Chicago Business **2014**

IEEE CollaborateCom **2014**

Illinois Technology Foundation **2013**

MIT Enterprise Chicago **2013**

Augmented World Exposition **2013**

University of Illinois at Chicago **2013**

WORKING EXPERIENCE

University of Illinois at Chicago

Research Assistant - Electronic Visualization Laboratory

Co-invented *SpiderSense*, an innovative Human Augmentation device that has been featured in more than 200,000 websites, blogs and print media worldwide (including Forbes and the Discovery Channel).

Developed software for 3D rendering of terrain and maps for an Immersive Virtual Environment.

Developed 3D Visualization Software for the US Air Force medical researchers. Expedited biology experiment analysis by 800% introducing automatic video processing and tracking for field biologists at Princeton University.

Invented the *HealthBar*, an ambient persuasive technology reflecting the health status of an office worker.

Developed a client-server application enabling medical researches to upload image datasets to a remote database.

Developed a plugin that combines the input from multiple Microsoft Kinects.
Advised by Andrew Johnson.

2009 - Present

Chicago, IL

Pixar Animation Studios*Studio Tools Intern*

Worked on the next generation internal scene description and geometry file format. Developed the plugins for commercial software (Houdini, Mari) to load the in-house file format. Developed plugins were privately demoed to the film industry at SIGGRAPH 2013.

Advised by *Davide Pesare*.

Summer 2013

Emeryville, CA

PDI/ DreamWorks Animation*Research and Development Animation Tools Intern*

Upgraded an internal tool for parallelization accelerating the rendering cycle up to 30%. Improved the code coverage process, resulting in a hundred-fold speedup. Worked on the next-generation animation tool as part of the core development team.

Advised by *Bruce Wilson*.

Summer 2012

Redwood City, CA

National Technical University of Athens*Research Associate - Institute of Communications and Computer Systems*

Research on video and audio search algorithms.

Advisor: *George Stassinopoulos*.

2006 - 2009

Athens, Greece

Global Digital Technologies*Advanced Software Engineer*

Developed software for embedded hardware control systems.

2006 - 2009

Athens, Greece

FCNet*Consultant*

Installation of PBX phone systems for small businesses.

2007 - 2009

Athens, Greece

University of Peloponnese*Network Technician - Telecommunication Networks and Mobile Systems**Laboratory*

Research on metropolitan wireless networks.

2002 - 2006

Tripolis, Greece

UNDERGRADUATE STUDENTS SUPERVISED**Jagrut Patel**

Built high-resolution video streamer for the Scalable Amplified Group Environment (SAGE2)

2014**Panagiotis Karvounis**

Research on using Google Maps on the .NET platform

2009**Constantinos Kolovos**

Research on Database XML Schemas

2008

MIDDLE-SCHOOL STUDENTS SUPERVISED

Glen Poole, Dexter Wells

Co-advised with A. Febretti **2014**

Built an augmented virtual sling game for the CAVE2.

Antwan McBee, Andrew Lewis, Joshua Gartley

Co-advised with A. Febretti, K. Reda, **2013**
G. Thomas-Ramos

Built a Fruit-Ninja like game for the CAVE2.

TEACHING

Teaching Assistant - National Technical University of Athens

2006 - 2008

Internet and Applications

Database Systems

PEER-REVIEWED PUBLICATIONS

- P12 **V. Mateevitsi**, and B. Levy. "Scalable Adaptive Graphics Environment: A Novel Way to View and Manipulate Whole-Slide Images." *Analytical Cellular Pathology* 2014 (2014)
- P11 T. Marrinan, J. Aurisano, A. Nishimoto, K. Bharadwaj, **V. Mateevitsi**, L. Renambot, L. Long, A. Johnson, and J. Leigh, "SAGE2: A New Approach for Data Intensive Collaboration Using Scalable Resolution Shared Displays," In *Proceedings of the IEEE International Conference on Collaborative Computing: Networking, Applications and Worksharing, 2014. Best Paper Award*
- P10 A. Febretti, A. Nishimoto, **V. Mateevitsi**, L. Renambot, A. Johnson, and J. Leigh. "Omegalib: A multi-view application framework for hybrid reality display environments." In *Virtual Reality (VR), 2014 IEEE*, pp. 9-14. IEEE, 2014.
- P9 **V. Mateevitsi**, K. Reda, J. Leigh, and A. Johnson. "The health bar: a persuasive ambient display to improve the office worker's well being." In *Proceedings of the 5th Augmented Human International Conference*, p. 21. ACM, 2014.
- P8 M.A. Bassiony, B.J. Vesper, **V.A. Mateevitsi**, K.M. Elseth, M.D. Colvar, K.D. Garcia, J. Leigh, J.A. Radosevich, *Immunohistochemical Evaluation of Bleeding Control Induced by Holmium Laser and Biolase Dental Laser As Coagulating Devices of Incisional Wounds*, *Proceedings of the UIC College of Dentistry Clinic and Research Day 2014*, Chicago, IL, March 6, 2014
- P7 **V. Mateevitsi**, B. Haggadone, J. Leigh, B. Kunzer, and R.V. Kenyon. "Sensing the environment through SpiderSense." In *Proceedings of the 4th Augmented Human International Conference*, pp. 51-57. ACM, 2013.
- P6 C. Offord, K. Reda, and **V. Mateevitsi**. "Context-dependent navigation in a collectively foraging species of ant, *Messor cephalotes*." *Insectes sociaux* 60, no. 3 (2013): 361-368.
- P5 K. Reda, **V. Mateevitsi**, and C. Offord. "A human-computer collaborative workflow for the acquisition and analysis of terrestrial insect movement in behavioral field studies." *EURASIP Journal on Image and Video Processing* 2013, no. 1 (2013): 1-17.
- P4 K. Reda, A. Johnson, **V. Mateevitsi**, C. Offord, and J. Leigh. "Scalable visual queries for data exploration on large, high-resolution 3D displays." In *High Performance Computing, Networking, Storage and Analysis (SCC), 2012 SC Companion*, pp. 196-205. IEEE, 2012.
- P3 A. Febretti, **V.A. Mateevitsi**, D. Chau, A. Nishimoto, B. McGinnis, J. Misterka, A. Johnson,

and J. Leigh. "The OmegaDesk: towards a hybrid 2D and 3D work desk." In *Advances in Visual Computing*, pp. 13-23. Springer Berlin Heidelberg, 2011.

- P2 G. Doumenis, S. Papastefanos, **V. Mateevitsi**, F. Andritsopoulos, N. Achilleopoulos, and A.V. Mikhalev. "Video index and search services based on content identification features." In *Broadband Multimedia Systems and Broadcasting*, 2008 IEEE International Symposium on, pp. 1-4. IEEE, 2008.
- P1 **V. Mateevitsi**, M. Sfakianos, G. Lepouras, and C. Vassilakis. "A game-engine based virtual museum authoring and presentation system." In *Proceedings of the 3rd international conference on Digital Interactive Media in Entertainment and Arts*, pp. 451-457. ACM, 2008.

WORKSHOPS AND DEMOS

- D1 **V. Mateevitsi**, B. Haggadone, J. Leigh, B. Kunzer, and R.V. Kenyon. "Sensing the environment through SpiderSense." In *Proceedings of the 4th Augmented Human International Conference*, pp. 51-57. ACM, 2013.

INVITED KEYNOTES, TALKS, PRESENTATIONS, DEMONSTRATIONS

- Chicago Inno's Innovation U meetup** **2015**
Guest Speaker. Chicago, IL. February 26. 60 attendees
- Human Augmentics Class - University of Illinois at Chicago** **2015**
Guest Lecture: *SpiderSense*. Chicago, IL. Spring 2015.
- Workshop at the IEEE Engineering in Medicine and Biology Society** **2014**
Recovery Machines. Chicago, IL. August 26. 115 attendees
- Adler Planetarium** **2014**
Superhero Science. Chicago, IL. July 18. 1,567 attendees
- BLUE1647** **2014**
Panel: *emerge/Next U network Event and Entrepreneurship Mini-Hackathon*. Chicago, IL. July 2. 100 attendees
- University of Illinois at Chicago** **2014**
An Evening with Legacies and Leaders. Chicago, IL. March 4. 425 attendees
- MIT Enterprise Forum** **2014**
Panel: *Wearable Technology*. Chicago, IL. January 23. 100 attendees
- Human Augmentics Class - University of Illinois at Chicago** **2014**
Guest Lecture: *SpiderSense*. Chicago, IL. Spring 2014.
- Chicago Public Library Innovation Lab Program** **2013**
Presentation and Demonstration: *SpiderSense*. Chicago, IL. September 24. 10 attendees
- Augmented Reality Chicago Meetup** **2013**
Presentation and Demonstration: *SpiderSense*. Chicago, IL. July 29. 30 attendees
- Augmented World Expo** **2013**
Presentation and Demonstration: *SpiderSense*. Santa Clara, CA. June 4. 1,100 attendees
- Processing Chicago Meeting - University of Illinois at Chicago** **2013**
Guest Lecture: *openFrameworks*. Chicago, IL. April 2. 20 attendees

E2 Sense Defense Science Research Council**2013**

Electronically Enhanced Sensing Workshop. Presentation and Demonstration:
SpiderSense. Arlington, VA. March 28.

40 attendees

Human Augmentics Class - University of Illinois at Chicago**2013**

Guest Lecture: *SpiderSense*. Chicago, IL. Spring 2013.

Processing Chicago Meeting - University of Illinois at Chicago**2012**

Guest Lecture: *DIY variable voltage power supply*. Chicago, IL. February 6.

20 attendees

PROFESSIONAL ACTIVITIES

Founding member of the ACM Student Chapter, University of Peloponnese. Tripolis, Greece.
 Founding member of the Tripolis Wireless Network. Tripolis, Greece.

SELECTED PRESS*Books*

National Geographic Kids - Weird But True! Ripped from the Headlines: Set your
 "Spidey Sense" tingling. page 56. National Geographic Children's Books. ISBN: 978-1-
 4263-1514-5 **2014**

Magazines, Newspapers

CAP Today: Software expands on 'what you see is what you get (Vol. 28, No 11, November) **2014**

Crain's Chicago Business: 20 in their 20s (Vol. 37, No. 18, May 5) **2014**

UIC News: EVL's SpiderSense suit grabs attention of National Geographic (Vol. 34, No. 6,
 October 1) **2014**

UIC News: Seeing future of technology in test of Google Glass (Vol. 33, No. 20, February
 12) **2014**

UIC News: Virtual reality apprenticeships. Cover page (Cover page, Vol 32, No. 13,
 November 20) **2013**

UIC News: Technology's faces of the future. Cover page (Vol.32, No. 12, November 12) **2013**

Popular Mechanics (ZAF): Take 'em on, Spidey! (Vol. 11, No. 9, April) **2013**

UIC News: With student invention, not seeing is believing (Cover page, Vol. 31, No. 27,
 April 10) **2013**

New Scientist: Virtual Reality creates infinite maze in a single room (Vol. 217, No. 2911,
 April 06)

Stuttgarter Zeitung (DE): Technik fur die Sinne (No. 58, March 9) **2013**

UIC News: Quotable (Vol.31, No. 22, February 27) **2013**

New Scientist: Spidey-Sense Suit Tingles When Someone Gets Too Close (Vol. 217, No.
 2905, February 23) **2013**

Web

ChicagolInno: Innovation U: Celebrating the City's Entrepreneurial Pipeline [Event Recap]
 (February 27) **2015**

UIC News: And the Oscar goes to ... Larry Hornbeck (February 19) **2015**

ChicagolInno: Innovation U: Introducing Chicago Inno's Next Meetup, Presented by the CIE
 (February 17) **2015**

CAP Today: Software expands on 'what you see is what you get (November 17) **2014**

ChicagolInno: Are Your Spidey Senses Tingling? This Wearable Tech Lets You Sense When
 Obstacles Are Near (October 8) **2014**

UIC News: EVL's SpiderSense suit grabs National Geographic's attention (October 6)	2014
The Biz Loft Magazine (IT): <i>SpiderSense</i> : una giacca dai super poteri (May 6)	2014
Crain's Chicago Business: 20 in their 20s (May 4)	2014
UIC News: Seeing future of technology in Google Glass (February 11)	2014
NewsMonkey (BE): Deze science fictions werden realiteit in 2013 (January 3)	2014
BuzzFeed: 21 Science Fictions That Became Science Facts In 2013 (December 3)	2013
UIC News: Middle-school kids create a virtual future in 3-D (November 19)	2013
UIC News: Computer science students among 'Fifty for Future' (November 12)	2013
New Scientist: Colour-changing clothes could make tech fashionable (September 19)	2013
Deadline: Academy Science and Technology Council Names 2013 Interns (June 19)	2013
New Scientist: Virtual reality display lets fire crews see in blaze (June 18)	2013
UIC News: UIC computer science student interns at Pixar (April 17)	2013
Sohu.com (PRC): 虚拟现实技术将实现有限空间创建“无限迷宫” (April 12)	2013
UIC News: With student invention, not seeing is believing (April 9)	2013
New Scientist: Virtual reality creates infinite maze in a single room (April 5)	2013
The Globe and Mail (CA): Scientists (finally) build Spider-Man suit with 'SpiderSense' (March 24)	2013
ACM Tech News: Superhero Science: UIC Students Build 'SpiderSense' Suit (March 18)	2013
Medill Reports Chicago: Superhero Science: UIC students build 'SpiderSense' suit (March 13)	2013
Gizmag: SpiderSense suit delivers superhuman perception (March 11)	2013
An ninh Thủ đô (VN): Quân đội Mỹ sẽ phát triển trang phục "Giác quan thứ sáu"? (March 4)	2013
Examiner.com: This suit could have soldiers saying "my spider sense is tingling" (March 3)	2013
Engineering.com: SpiderSense: a Suit That Gives Man a 'Spider Sense' (March 1)	2013
Stuttgarter Zeitung (DE): Technik für die Sinne (March 10)	2013
Defense Tech: Researcher develops Spidey-sense suit (February 28)	2013
Europa Press (ES): Un traje permite recrear el sentido arácnido de Spider-Man (February 28)	2013
CNET: Feel like Spidey in a real-life spider-sense suit (February 27)	2013
UIC News: Quotable (February 27)	2013
Europa Press (ES): Científicos elaboran un traje que recrea el 'sentido arácnido' (February 27)	2013
WP Facet (PL): Sztuczny "zmysł pająka" (February 27)	2013
Wired Magazine: Spider-Man Physics: How Real Is the Superhero? (February 26)	2013
Mother Nature Network: High-tech Spider-Man suit gives you real-life 'spidey sense' (February 26)	2013
Digital Trends: We can all be Peter Parker: New suit gives wearer 'SpiderSense' (February 25)	2013
Bright.nl (NL): SpiderSense-pak laat je je omgeving voelen (February 25)	2013
Star.gr (GR): Απόκτησε τις υπερδυνάμεις του Spiderman... φερόντας τη στολή του (February 25)	2013
New York Daily News: Scientists create 'Spider-Man' suit that gives wearers superhero's 'spider sense' (February 24)	2013
Gizmodo (FR): Enfin une vraie combinaison de super-héros (February 24)	2013
Gizmodo (DE): Kräfte wie Spider-Man: Ganzkörperanzug verleiht Spinnen (February 24)	2013
Gizmodo (AU): You Can Be A Real Superhero With This Spider-Sense Robot Suit (February 24)	2013
Gazzetta.gr (GR): Η στολή του Spiderman που σε κάνει... spiderman! (February 24)	2013
Forbes: This Suit Gives You A Real Life Spider-Sense (February 23)	2013
The Verge: SpiderSense ultrasound suit gives wearers a sixth sense (February 23)	2013

- Gizmodo:** You Can Be a Real Superhero With This Crazy Spider-Sense Robot Suit (February 23) **2013**
- Engadget:** SpiderSense ultrasonic radar suit lets you know when danger is near (February 23) **2013**
- Engadget (DE):** Sensoranzug SpiderSense verleiht Radar-Wahrnehmung, könnte Radfahrern zugute kommen (February 23) **2013**
- TechnoBuffalo:** Amazing SpiderSense Suit Lets You "Feel" Nearby Objects (February 23) **2013**
- Phys.org:** Wearable display meets blindfold test for sensing danger (February 23) **2013**
- Adevarul (RO):** Un nou pas spre omul bionic: costumul care ne transformă în omul păianjen (February 23) **2013**
- Haberler.com (TR):** Örümcek Hisleri Gerçek Oluyor (February 23) **2013**
- Mashable:** Body Suit Gives You Real-Life 'Spider Sense' (February 22) **2013**
- The Mary Sue:** Grad Student Creates His Own Working Spider-Man Suit (February 22) **2013**
- Daily Mail (UK):** The suit that gives you 'Spidey Sense' just like Spider-Man by tingling when there is impending danger (February 22) **2013**
- New Scientist:** Spidey-Sense Suit Tingles When Someone Gets Too Close (February 22) **2013**
- Discovery News:** Body Suit Gives You Real-Life Spidey-Sense (February 22) **2013**
- Medill Reports Chicago:** Chicago computer scientists develop tools to help ecologists in Kenya (February 15) **2012**
- Medill Reports Chicago:** Chicago virtual reality lab home to futuristic health class (February 14) **2012**

Television, Radio, Podcast

- ABC7 Eyewitness News:** High Tech Tools Used To Fight Crime. Andrew Johnson talks about SpiderSense (September 7) **2014**
- Fox 32 News:** Interview about "Wearable Technology" at the MIT Enterprise Forum (January 24) **2014**
- NewsTalk 770AM Radio (Calgary, Canada):** The Rutherford Show. Interview about SpiderSense (April 2) **2013**
- CBC Radio (Canada):** Eyeopener. Interview about SpiderSense (March 28) **2013**
- Discovery Channel:** The Daily Planet Show. Demoed SpiderSense (March 14) **2013**
- RuptlyTV:** Germany: Spider Sense augmentation lets you react like Spiderman (March 7) **2013**
- popCultured:** Spidey Sense Suit To Make You Like Spiderman? (March 4) **2013**
- ABC Australia:** Gamer News **2013**

EXTRACURRICULAR ACTIVITIES

- Sail Chicago - Boat Manager for a Colgate 26 boat **2011 - 2012**
- Chicago Yacht Club - Member of Rhodes 19 racing team **2010 - 2012**
- Greek National Ice Hockey Team. World Championships Division III. New Zealand **2009**
- Greek National Ice Hockey Team. World Championships Division III. Luxembourg **2008**
- National Speed Skating Champion. Athens, Greece **2001**
- "Cho Dan Bo" belt in Tang Soo Do

VOLUNTEER WORK

- Apprenticeship mentor with SPARK **2013 - 2014**

LANGUAGES

Greek

Romanian

English

German