

Gene Kogan

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Positions

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|------------------------|--|-----------|
| Artist in residence | Eyebeam | 2015 |
| Adjunct professor | Bennington College | 2015 |
| Programmer, Instructor | Harvestworks Media Arts Center | 2010-2013 |
| Research Assistant | Sourcetone | 2010-2014 |
| Research Assistant | Columbia Center for Computational Learning Systems | 2007-2009 |

Selected Projects

- Opera Toolkit [\[link\]](#)
- Kinect Projector Toolkit [\[link\]](#) [\[code\]](#)
- Machine Yearning [\[link\]](#) [\[code\]](#)
- EcoHacker Build [\[link\]](#)
- Listening to the Ocean [\[link\]](#) [\[code\]](#)
- Gestural Instruments [\[link\]](#) [\[code\]](#)
- Acoustic Portraits [\[link\]](#)
- Tip of the Tongue [\[link\]](#)
- The Rub [\[link\]](#)
- Color of Words [\[link\]](#)
- Machine Learning for OpenFrameworks [\[link\]](#) [\[ofxLearn\]](#) [\[ofxSelfOrganizingMap\]](#)
- Robot Shakespeare [\[link\]](#)
- Mosaic [\[link\]](#) [\[code\]](#)
- Scripting Photoshop [\[link\]](#)

Publications

- Jeff Snyder, Eugene Kogan, Ryan Johns, Charlie Avis, Axel Kilian. "An Industrial Robotic Arm as an Instrument: Details of an Experimental Performance." New Interfaces for Musical Expression (NIME) 2015 [\[link\]](#)
- Cynthia Rudin, Benjamin Letham, Ansaif Salieb-Aouissi, Eugene Kogan and David Madigan. Sequential Event Prediction with Association Rules. Proceedings of the 24th Annual Conference on Learning Theory (COLT), 2011 [\[pdf\]](#)
- Cynthia Rudin, Benjamin Letham, Eugene Kogan and David Madigan. A Learning Theory Framework for Association Rules and Sequential Events [\[pdf\]](#)

Talks, Presentations, Exhibitions

- "Code as expression, communication, and collaboration." NYU-Poly MAGNET, Brooklyn, NY. 2015
- Computer vision & KinectProjectorToolkit. Quad-C lectures @ Parsons MFA-DT, Brooklyn, NY. 2015
- "Code as communication." Centre for Internet & Society, Bangalore, India. 2015 [\[link\]](#)
- Participating artist, Story of Light festival. Panaji, Goa, India. 2015 [\[link\]](#)
- EcoHacker build, public exhibition, Delancey, NY. 2014 [\[link\]](#)
- Open Stage, Le Thanh Theatre, Ho Chi Minh City, Vietnam. 2013
- Carnival of E-Creativity, Uttarakhand, India. 2013 [\[link\]](#)
- Mediating Modernities Conference with Malmo University, Bangalore, India. 2013 [\[link\]](#)
- "Open source software and art." FOSS conference, Bangalore, India. 2012 [\[link\]](#) [\[video\]](#)
- "Art and open source" Centre for Internet & Society, Bangalore, India. 2012 [\[link\]](#) [\[video\]](#)

- “Generative systems for design.” DesignDay.co. Microsoft Research Center, Bangalore, India. 2012 [\[link\]](#)
- Dorkbot presentation, Location One, New York, NY. 2011 [\[link\]](#)
- “Blue Swimmer.” New York Electronic Arts Festival. 2011 [\[link\]](#)
- “Beat Parade.” Music Hack Day, New York, NY. 2011 [\[link\]](#)
- “Sourcetone: Learning the Mood of Music.” Invited talk at meeting of Society of Industrial and Applied Mathematics (SIAM). 2010 [\[slides\]](#)
- “Symbiosis: Between Technology, Humans, and Art.” New York, NY. 2010 [\[link\]](#)
- “Making a Smart Store at FreshDirect.” Invited talk at meeting of Society of Industrial and Applied Mathematics (SIAM). 2009 [\[link\]](#)
- “Recommender systems and FreshDirect.” Invited talk at Applied Math seminar series at Columbia University. 2009
- “Using Association Rules to Make Recommendations,” Thesis presentation to CCLS & APAM faculty. 2008
- “Collaborative Filtering & Recommender Systems,” Seminar talk to Applied Math students. 2007

Teaching

- Interactive installation building, Jaaga Farmhouse, Bangalore, India. 2015
- Creative coding workshop, Fete Dela WSK 2014, Manila, Philippines. 2014 [\[link\]](#)
- KinectProjectorToolkit workshop, Zero Station, Ho Chi Minh City, Vietnam. 2014 [\[link\]](#)
- Workshops at Fete Dela WSK 2013, Manila, Philippines. 2013 [\[link\]](#)
- Generative art workshop at HackerspaceSG, Singapore. 2013 [\[link\]](#)
- Generative art workshop at Terminal Garden, Manila, Philippines. 2013
- Introduction to Generative Art and Processing (online) [\[Tenlegs\]](#)
- Visual Instruments (online) [\[Tenlegs\]](#)
- Computer Vision (online) [\[Tenlegs\]](#)
- Art + Technology workshop at Jaaga. Bangalore, India. 2012 [\[link\]](#)
- Generative art summer course. Harvestworks, New York, NY. 2012 [\[link\]](#)
- Field recording workshop. Harvestworks, New York, NY. 2010
- Introduction to Generative art. Harvestworks, New York, NY. 2010-2012 [\[link\]](#)

Awards & Scholarships

Fulbright Scholarship, Bangalore, India, 2012-2013 [\[link\]](#)

Sarah E. Grant Scholarship, 2005-2008

Robert C. Byrd Scholarship, 2004-2008

Education

B.Sc. Applied Mathematics Columbia University, New York, NY 2004-2008

- Research interests: machine learning, music information retrieval, computer music

Skills, Interests, etc

Programming: C++, Java, Python, Javascript, MATLAB/Octave, LaTeX

Software/Frameworks: [OpenFrameworks](#), [Processing](#), [Max/MSP](#), [PureData](#), [SuperCollider](#)

Languages: English, Russian, Spanish

Interests: art + technology, [field recording](#), language + [travel](#), maps, chess, ice hockey, tennis, cycling