

# Nick Puckett

## Education

Master of Architecture, 2004  
The Architectural Association, Design Research Lab, London, UK

Bachelor of Architecture, Cum Laude Honors, 2002  
The Savannah College of Art and Design, Savannah, USA

## Industry Experience

Puckett Research & Design  
Founder/Director, 2005–present

Zaha Hadid Architects, London, UK  
Architectural Designer, 2004–2005

## Administrative Experience

OCAD University, Toronto, Canada  
Program Chair, 2016–present  
Digital Futures Undergraduate Program

Interim Program Chair, 2015–2016  
Digital Futures Undergraduate Program

## Academic Experience

OCAD University, Toronto, Canada  
Associate Professor with tenure, 2017–present  
Digital Futures, Faculty of Liberal Arts & Sciences

Assistant Professor, 2012–2017  
Digital Futures, Faculty of Liberal Arts & Sciences

Co-Director, 2012–present  
AntHill Lab

The University of Kentucky, Lexington, USA  
Assistant Professor, 2009–2012  
College of Design, School of Architecture

Assistant Professor, 2009–2012  
College of Engineering, School of Electrical and Computer Engineering

Core Faculty, 2010–2012  
The Institute of Sustainable Manufacturing

# Nick Puckett

The Southern California Institute of Architecture (SCI-Arc), Los Angeles, USA  
Visiting Faculty, 2010–2011  
XLab Graduate Program

The Architectural Association, London, UK  
Unit Master, 2005–2009  
1st Year Studio

Media Studies Lecturer, 2005–2009  
Undergraduate Program

Director, AAcode Research Cluster, 2009

Course Lecturer, 2003–2004  
The Design Research Lab

The University of Westminster, London, UK  
Visiting Lecturer, 2008–2009  
Diploma School

Visiting Lecturer, 2008–2009  
Graduate School, Masters of Architecture and Digital Media program

The University of Innsbruck, Innsbruck, Austria  
Visiting Faculty, 2007–2009  
Hochbau Institute of Experimental Architecture

The Royal College of Art, London, UK  
Visiting Lecturer, 2004–2007  
Department of Industrial Design Engineering

## **Teaching, Graduate**

OCAD University  
DIGF-6037 Creation & Computation. Fall 2012–present  
DIGF-6901 Thesis Stage 2, Experimentation & Development. Fall 2015  
DIGF-6Co3 Thesis Stage 1, Foundation & Industry. Summer 2013  
DIGF-6Co5 Thesis Stage 3, Production & Reflection. Winter 2013–2014  
DIGF-6A04 Ubiquitous Computing. Fall 2012–2014  
DIGF-6A03 Eglobal. Fall 2014  
DIGF-6B14 CFC Media Lab, Prototyping. Summer 2013–2014  
DIGF-6A13 BioArticulation. Fall 2013

University of Kentucky  
ARC-599 Augmented Fabrication. Spring 2012  
ARC-699 Sight Specific Response. Fall 2010  
ARC-659 Graduate Design Studio. Spring 2010

# Nick Puckett

ARC-599 ColorCode. Fall 2009

ARC-456/658 Vertical Design Studio. Fall 2011

SCI-Arc

Animated Robotics, Spring 2011

DatAnimation, Spring 2010

The University of Westminster

Masters of Architecture & Digital Media, Interactive Systems. Fall 2007, Fall 2008

The Royal College of Art

GoGlobal 3, Beijing. Spring 2007

Mobile Mutations. Spring 2007

Light & Magic. Fall 2006

Thesis Studio. 2005-2007

The Architectural Association

Design Research Lab, Scripted Systems. Fall 2003, Fall 2004

## **Teaching, Undergraduate**

OCAD University

DIGF-3003 Atelier III, Investigation. Fall 2015-2016

DIGF-2005 Atelier II, Collaboration. Winter 2016, Winter 2018-present

DIGF-2003 Augmented Production. Winter 2018

DIGF-3D03 Atelier IV, Synthesis. Winter 2015

DIGF-1B01 Sketching Ideas. Fall 2012, Fall 2013

DIGF-1B01 Digital Models & Fabrication. Fall 2014

DIGF-4C03 Thesis Project II. Winter 2014, Winter 2019

University of Kentucky

ARC-457 4th year Design Studio. Spring 2011

The Architectural Association

First Year Studio. 2006-2009

Media Studies, Keyboards are Dead. 2006-2009

Media Studies, Mind & Matter. Fall 2008

The University of Westminster

Field Animation. Winter 2008, Winter 2009

Institute of Experimental Architecture, University of Innsbruck

Scripting Component Logic. 2007-2009

## Primary Thesis Advisor

OCAD University

Frank Ferrao, *Break It 'Til You Make It: Low-Cost Digital Project-Based Learning*, MDes 2020

April De Zen, *A Misinformation Blueprint: Mapping Warnings in an Agile Communication System*, MDes 2020

Finlay Braithwaite, *2020 Sound: A Positional-Tracking Microphone and DSP Time-of-Arrival Alignment System*, MDes 2019

Sean Harkin, *Devices for Hyper-Polluted Futures*, MDes 2019

Nadine Lessio, *Working With Useless Machines: A Look at our Shifting Relationship with Ubiquity through Personal Assistants*, MFA 2018

Manik Perera Gunatilleke, *Bodies-Cites: Exploring Embodied Knowledge of Urban Sites through Interactive Virtual Reality Experiences*, MDes 2018

Michael Carnevale, *Toronto Augmented Reality Map: Enhancing Citizen Engagement with Open Government Data using contemporary Media Platforms*, MDes 2017

Jordan Shaw, *Habitual Instinct*, MDes 2017

Chris Olsen, *Expanding the Information Fidelity of Calm Technology Devices Through Techniques of Information Visualization*, MDes 2016

Yikai Zhang, *Virtual Tourism: Digital Scanning, Augmented Reality and Virtual Reality as a Holistic Approach to Chinese Historic Building Preservation*, MDes 2016

Kirsti Langen, *Bringing the Outside In: Creating Artificial Lighting and Evoking Biophilic Response through Solar Benefits*, MDes 2015

Ruzette Tanyag, *Touching objects: Objects as Force-Feedback Devices for Environmental Storytelling*, MDes 2014

Faysal Itani, *Blogtivist: An Exploration of an Online Activist Game Inspired by the Arab Spring*, MDes 2013

## Secondary Thesis Advisor

OCAD University

Arshia Sobhan Sarbandi, *Navigating the Latent: Exploring the Potentials of Islamic Calligraphy with Generative Adversarial Networks*, MDes 2021

Maria Shirokova, *Can you hear your drawing?: Creating Synesthetic Experiences through an Audio-Visual Web Interaction*, MDes 2021

Jun Li, *Cybernetic Interaction: Exploring a New Form of Audience Participation*, MDes 2021

Mazin Chabayta, *Liberated Debris: Protest By Making*, MDes 2020

Nimrah Syed, *Wisewords: Bridge Employment & Intergenerational Knowledge Transfer*, MDes 2017

Lee Jones, *Your Body of Water: A Somaesthetic Display for Embodied Reflection*, MDes 2016

Mehnaz Aydemir, *Digital Tools for Children with Autism: Enhancing Sensory Development and the Recognition of Faces and Emotions*, MDes 2016

# Nick Puckett

Laura Stavro-Beauchamp, *Create and Grow Strong: Using Creative Exploration, Expression and Celebration to Foster Resilience in the Youth*, MDes 2015

Xiangyu Sun, *Responsive Environments: Digital Out-of-Home Advertising with a Deeper Level of Interaction through Environmental Data Analytics*, MDes 2015

Ana Jofre, *Anthropomorphic Objects*, MFA 2015

Paula Aguirre Gomez, *A World of Images*, MDes 2015

Maziar Ghaderi, *Playformance: The Virtual Amplification of Spontaneous Hand Gestures in Performance Art*, MFA 2014

## **Admissions & Recruitment**

OCAD University

Digital Futures Undergraduate Program, Admissions Committee, 2013–present

Digital Futures Graduate Program, Admissions Committee, 2013–present

Look Inside Open House, 2015–present

National Portfolio Day, 2013–present

Graduate Scholarship and Awards Committee, 2013–2014

The Architectural Association

Admissions Committee, 2005–2009

Bursary Committee, 2006

Scholarship Committee, 2007

The Royal College of Art

Admissions Committee, 2006–2007

## **Curriculum Development**

OCAD University

Digital Learning Hub Advisory Committee, 2021–present

FLOW Curriculum Steering Committee, 2019–present

Digital Futures Undergraduate Program Committee, 2015–present

Digital Futures Graduate Program Committee, 2012–present

Faculty of Liberal Arts & Sciences Curriculum Committee, 2013–present

Institutional Quality Assurance Process (IQAP) Committee, Digital Futures Undergraduate, 2016–2019

IQAP Committee, Digital Futures Graduate, 2016–2019

University of Kentucky

Curriculum Committee, 2010–2012

NAAB Accreditation Committee, 2010–2012

Technology Curriculum Committee, 2010–2012

# Nick Puckett

The Architectural Association  
First Year Curriculum Committee, 2005–2009

## **Hiring Committees**

OCAD University  
Dean, Faculty of Art, 2019  
Interaction Design Tenure Track Faculty Position, 2019  
Canada Research Chair, Internet of Things, 2017  
Digital Futures Graduate Sessional Instructors, 2015–present  
Digital Futures Undergraduate Sessional Instructors, 2015–present

## **Fundraising & Partnership Development**

OCAD University  
Digital Futures Lab Committee, 2018–present  
Metro Toronto Convention Centre, Artist Program Chair, 2018–present  
Instagram ‘I Voted’ Design Competition Chair, 2019  
*Project 31* Committee, 2016–present  
Creative City Campus Technology Steering Committee, 2016–present

University of Kentucky  
Lectures and Exhibitions Committee, 2010–2012

## **Faculty Senate**

OCAD University  
Faculty Senator, Faculty of Liberal Arts & Sciences, 2013–2015, 2016–2020  
Senate Quality Assurance Committee, 2016–2020  
Senate Undergraduate Studies Committee, 2016–2018  
Senate Nominating Committee, 2014–2015  
Senate Academic Policy and Planning Committee, 2013–2015  
Senate Graduate Studies Committee, 2013–2015

## **Infrastructure & Resources**

OCAD University  
Information & Communication Technology Governance, Steering Committee, 2019–present  
Information & Communication Technology Governance, Project Assessment Group, 2019–present

# Nick Puckett

## Peer Review

### Grant Review

Reviewer, Discovery Grant Program, November 2018  
Natural Sciences and Engineering Research Council (NSERC) Canada

### Journal Review

Peer Reviewer, ACADIA Special Issue, May 2021  
International Journal of Architectural Computing

### Conference Review

Peer Reviewer, Technical Papers, April 2021  
CAAD Futures 2021

Peer Reviewer, Pictorials, October 2020  
2021 Tangible, Embedded, and Embodied Interaction (TEI) Conference, Salzburg, Austria

Peer Reviewer, Technical Papers, September 2020  
2020 ACADIA Conference

Peer Reviewer, Technical Papers, February 2018  
2018 ACADIA Conference, Mexico City, Mexico

Peer Reviewer, Technical Papers, February 2017  
2017 ACADIA Conference, Boston, USA

Peer Reviewer, Technical Papers, February 2016  
2016 ACADIA Conference, Ann Arbor, USA

Peer Reviewer, Juried Exhibition, February 2015  
2015 ACADIA Conference, Troy, USA

Peer Reviewer, Technical Papers, February 2015  
2015 ACADIA Conference, Troy, USA

Peer Reviewer, Technical Papers, February 2015  
2014 ACADIA Conference, Los Angeles, USA

Peer Reviewer, Technical Papers, February 2012  
2012 ACADIA Conference, San Francisco, USA

Peer Reviewer, Technical Papers, February 2011  
2011 ACADIA Conference, Banff, Canada

Peer Reviewer, Workshop Proposals, May 2013  
Smart Geometry 2013, London, UK

### Competition Jury

Program Jury, Copycat Academy, April 2014  
Luminato Festival, Toronto, Canada

Competition Juror, October 2012  
Robot Workshop Competition, SuckerPUNCH Daily

## Research

### Funding & Support

Living Life Analytics, 2014–2017

Industry support of Data Portrait Research

Intel Higher Education Program, 2014

Hardware donation to support LOT curriculum

Grand NCE-AD Node, 2014

Automated systems for scanning human skeletons

Autodesk Research, 2014

Industry support for Automated systems for scanning human skeletons

OCADU Seed Grant, 2014

Support for the development of a NSERC Discovery Grant

Grand NCE-AD Node, 2012

FabNodes, a modular system for custom fabrication

Massive Software Inc., 2008–2010

Support for Agent based Design Systems through donated software licenses

### Funded Research Assistants

Kourtoukov, Boris. 2014–2016

Funded by Living Life Analytics

Jones, Lee. 2015–2016

Funded by Living Life Analytics

Predko, Alanna. 2015

Funded by Living Life Analytics

McCormack, Seamus. 2014

Funded by GRAND NCE

Oomajee, Vixen. 2014

Funded by GRAND NCE

Rodmore, Craig, 2014

Funded by OCADU Seed Grant

Tavasoli, Alex. 2014

Funded by OCADU Seed Grant

McRoberts, Greg. 2013

Funded by GRAND NCE

Pridham, Hudson. 2013

Funded by GRAND NCE

McHone, Ian. 2012

Funded by UK Seed Fund

Bakerjian, Anton. 2012

Funded by UK Seed Fund



# Nick Puckett

## Exhibitions

*CodeX*, Onsite Gallery, Toronto, Canada  
January 2020

*The Age of You*, MOCA, Toronto, Canada  
Curated by Hans Ulrich Obrist, Shumon Basar, and Douglas Coupland  
Collaboration with Dennis Kavelman  
September 2019

*Taylor X*, Stantec Gallery, Calgary, Canada  
February 2018

*Seoul Biennale of Architecture and Urbanism*, Seoul, South Korea  
Collaboration with Ibañez Kim Studio  
August 2017

*EDIT: Exhibition for Design, Innovation, and Technology*, Unilever Factory, Toronto, Canada  
Collaboration with Dennis Kavelman  
September 2017

*1000m2 of Desire*, Centre de Cultura Contemporània de Barcelona, Barcelona, Spain  
Collaboration with EcoLogic Studio  
October 2016

*Globale: Exo-Evolution Exhibition*, ZKM Museum, Karlsruhe, Germany  
Collaboration with EcoLogic Studio  
October 2015

*Re-Living the City*, 2015 Bi-City Biennale of Urbanism & Architecture, Shenzhen China  
December 2015

*EXPO 2015*, Milan, Italy  
Collaboration with EcoLogic Studio  
April 2015

*Archilab 2013: Naturalizing Architecture*, FRAC Centre, Orleans, France  
Collaboration with EcoLogic Studio  
September 2013

*MetaMatic Reloaded*, Museum Tinguely, Basel, Switzerland  
Commissioned by Marina Abramovic  
October 2013

*Luminato Festival*, Toronto, Canada  
MAI Prototype, commissioned by Marina Abramovic  
June 2013

*Luminato Festival*, Pearson International Airport, Toronto, Canada  
MAI Extension, commissioned by Marina Abramovic  
June 2013

*Magic Materials*, The Science Gallery, Dublin, Ireland  
September 2012

*Taylor Series*, Stantec Gallery, Calgary, Canada  
February 2012

# Nick Puckett

*Juried Exhibition, ACADIA 2011*, Calgary, Canada  
Collaboration with EcoLogic Studio  
November 2011

*Smart Geometry*, Copenhagen, Denmark  
Collaboration with EcoLogic Studio  
April 2011

*Post Fact: Visualizing Information*, Monterrey, Mexico  
Collaboration with CHORA  
January 2011

*Hyperlinks: Architecture and Design*, Art Institute of Chicago, Chicago, USA  
Collaboration with Robofold  
December 2010

*New Faculty Exhibition*, The Land of Tomorrow Gallery, Lexington, USA  
November 2010

*International Energy Efficiency in Building Expo*, Xiamen, China  
Collaboration with CHORA  
June 2010

*Laarman Lab*, Friedman Benda Gallery, New York, USA  
Collaboration with Robofold  
March 2010

*Climate Incubator*, Peter Behrens School of Architecture, Düsseldorf, Germany  
Collaboration with CHORA  
January 2010

*Post-Oil Cities*, IFA Gallery, Stuttgart, Germany  
Collaboration with CHORA  
October 2009

*International Biennial of Contemporary Art of Seville*, Seville, Spain  
Collaboration with EcoLogic Studio  
October 2008

*PSP/RCA*, The Bank of America, London, UK  
February 2007

Venice Architecture Biennale, Venice, Italy  
Collaboration with EcoLogic Studio  
March 2006

*PSP/RCA*, The Royal College of Art, London, UK  
November 2006

*Machinic Prototypes*, Beijing Architecture Biennial, Beijing, China  
October 2004

*Performative Architectures*, Technical University Delft, Delft, Holland  
April 2004

## Publications

Puckett, Nick. "Pulse V2." *Distributed Proximities: Proceedings of the Conference of the Association for Computer Aided Design in Architecture (ACADIA)*, 2021.

Puckett, Nick. "If Material is the New Software, then How do I Write it?" *Paradigms in Computing: Making, Machines, and Models for Design Agency in Architecture*. Ed. Dr. David Jason Gerber & Mariana Ibañez. Los Angeles: Evolo Press, 2014. 288–297.

Puckett, Nick. "Designing Intelligence: DIY Robotics for Responsive Environments." *Inside Smart Geometry*. Ed. Brady Peters & Terry Peters. London: Wiley, 2013. 176–185.

Puckett, Nick. "The Sideshow." *Fresh Punches: Experimental Architecture Exhibition Catalogue*. Ed. Nathan Hume, Abigail Coover Hume & Paul Ruppert. CreateSpace Independent Publishing Platform, 2012. 106.

Puckett, Nick. "Material Animation: A New Interface to Custom Fabrication." *FABRICATE: Making Digital Architecture*. Ed. Ruari Glynn & Bob Sheil. Cambridge: Riverside Architectural Press, 2011. 86–89.

Puckett, Nick, Claudia Pasquero, and Marco Poletto. "CyberGarden V4." *Integration Through Computation: Proceedings of the 31st Annual Conference of the Association for Computer Aided Design in Architecture (ACADIA)*. Ed. Joshua Taron, 2011.

Puckett, Nick. "Explorations of Agent-Based Simulations for Architectural Design." *Proceedings of the Symposium on Simulation for Architecture and Urban Design*. Ed. Azam Khan, 2010.

## Selected Press

Parlac, Vera. "Material as Mechanism in Agile Spaces," *Building Dynamics: Exploring Architecture of Change*. New York: Routledge, 2015. 181

Hobson, Ben. "EcoLogic Studio Transforms Cladding System into a Bioreactor." (May 01, 2015)  
*Dezeen*

Collela, Federico. "Urban Algae Folly." (May 11, 2015)  
*PLOT*

Laylin, Taflin. "Futuristic Urban Algae Folly grows food, fuel and shade" (June 02, 2015)  
*Inhabitat*

Cruz, Marcos. "Urban Algae Folly. (May 28, 2015)  
*Synthetic Design Biotopes*

Matchar, Emily. "Will Buildings of the Future be Cloaked in Algae?" (May 26, 2015)  
*Smithsonian.com*

Hartman, Kate. "Heat Responsive Wearables Using Polymer"  
*Make: Wearable Electronics*  
New York: Maker Media, 2014

Pardey, Andres. "MAI Prototype."  
*Metamatic Reloaded*  
Berlin: Kehrler, 2013. 30–39

# Nick Puckett

Pasquero, Claudia and Poletto, Marco. "The STEM Series"  
*Systemic Architecture*  
New York: Routledge, 2012

Ryan, Zoe. "Cooperative Design"  
*Hyperlinks*  
Cambridge: Yale University Press, 2010

Lenz, Iris. "Taiwan Strait Inkubator"  
*Arch+*, edition 196/197, 2010

Verebes, Tom. "Young Punks"  
*DRL Ten: A Design Research Compendium*  
London: Architectural Association Press, 2008

Kuzyk, Raya. "On-Line with China"  
*Blueprint*, September 2005

## Invited Talks

*Technology & Sediment*, University of Toronto, Daniels School of Architecture, Toronto, Canada  
January 2021

*Mixed Framemates*, ITP Camp, New York University  
June 2020

*Code & Space*, University of Toronto, Daniels School of Architecture, Toronto, Canada  
November 2019

*Undisciplined Methods*, Lab Series, KPMB Architects, Toronto, Canada  
November 2018

*DIY meets PhD: A Methodology for the Design of Smart Materials*, Institute of Advanced  
Architecture Catalonia, Barcelona, Spain  
July 2013

*Do Not Contact the Manufacturer: Chemical Programming for Smart Materials*, Toronto  
Wearables Meetup, Toronto, Canada  
March 2013

*Bacteria, Polymer, and Grass: Responsive Material Systems*, Design Matters Series, University of  
Calgary, Department of Architecture, Calgary, Canada  
February 2012

*Intelligent Systems*, University of Arkansas Department of Computer Science, Fayetteville, USA  
November 2011

*AltN Research: recent work*, W.I.P series, Smart Geometry 2011, Copenhagen, Denmark  
April 2011

*Designing Intelligence*, Graduate School of Design, Harvard University, Cambridge, USA  
November 2010

*Agent-Based Systems*, XLab, SCI-Arc, Los Angeles, USA  
May 2009

# Nick Puckett

*The Work of AltN Research*, The DarkSide Club, 2008 Venice Architecture Biennale, Venice, Italy  
August 2008

*Digital Material*, Hochbau Institute of Experimental Architecture, University of Innsbruck,  
Innsbruck, Austria  
April 2008

*Hacking By Design*, Tsinghua University, Beijing, China  
June 2005

## Conferences

### Keynotes

*Parallel Paths*, Pathways to Practice, Waterloo University School of Architecture, Waterloo,  
Canada  
August 2018

*Undisciplined: PuckettRanD*, Smart Geometry, Toronto, Canada  
April 2018

*Undisciplined*, Taylor X, Calgary, Canada  
February 2018

### Projects

*Pulse V2*, Peer-Reviewed Projects, ACADIA 2020  
November 2020

### Presentations

Creation and Computation, Learning to Teach Creative Technologies Remotely, NYU  
January 2021

*The Future of Interactive Video*, nextMEDIA, Toronto, Canada  
November 2016

*DIY Smart Materials*, Technarte 2014, Bilbao, Spain  
May 2014

*TalkShop*, Smart Geometry 2012, Troy, USA  
April 2012

*CyberGarden v4*, ACADIA 2011, Banff, Canada  
October 2011

*Regenerate*, Technarte 2011, Bilbao, Spain  
May 2011

*Explorations of Agent-Based Simulation for Architectural Design*, Symposium on Simulation for  
Architecture and Urban Design, Orlando, USA  
April 2010

### Session Chairs

*The Power of Data*, Symposium on Simulation for Architecture and Urban Design, Orlando, USA  
April 2010

# Nick Puckett

## Workshops

*Shared Spaces Online*, ITP Camp, New York University, NY, USA  
June 2020

*Multiscreen interfaces*, ITP Camp, New York University, NY, USA  
June 2018

*Beyond Mechanics*, Smart Geometry Conference, RPI, Rochester, USA  
March 2012

*Tracking as Design*, Department of Environmental Design, The University of Calgary, Calgary, Canada  
February 2012

*Adaptive Components*, Dept. Architecture / Dept. Computer Science, The University of Arkansas, Fayetteville, USA  
November 2011

*CyberGardens*, Smart Geometry Conference, Copenhagen, Denmark  
March 2011

*Interactive Lighting Control*, The Peter Behrens School of Architecture, Düsseldorf University, Düsseldorf, Germany  
October 2009

*Custom Controllers*, XLab, SCI-Arc, Los Angeles, USA  
April 2009

*Agent Construction*, The Design Research Lab, The Architectural Association, London, UK  
September 2008

*Component Scripting*, XLab, SCI-Arc, Los Angeles, USA  
April 2005