NYU Tech Summit
Schedule & Program
November 14, 2018
Kimmel Center for Student Life
www.nyu.edu/techsummit | #NYUTechSummit

Schedule

8:00am – 9:00am:  Check-in, Continental Breakfast, 4th Floor
9:00am – 10:15am: Keynote Speaker Dr. Yann LeCun, Eisner & Lubin, 4th Floor
9:00am – 10:15am: Keynote Speaker Live Stream, Rosenthal, 10th Floor
10:30am – 11:15am: Breakout Session #1, 4th, 8th & 9th Floors
10:30am – 5:30pm:  Dell Tech Rally, 5th Floor
10:30am – 7:00pm:  Poster Presentations & Technology Expo, Rosenthal, 10th Floor
10:30am – 11:15am: Mentoring Sessions #1 & #2, Colloquium Room, 5th Floor
11:30am – 12:15pm: Breakout Session #2, 4th, 8th & 9th Floors
11:30am – 12:15pm: Mentoring Sessions #3 & #4, Colloquium Room, 5th Floor
12:30pm – 2:00pm:  Lunch, Rosenthal, 10th Floor
1:00pm – 4:00pm:  LEARN Lounge, Grand Hall, 5th Floor
1:00pm – 2:00pm:  Meet The CIOs, Eisner & Lubin, 4th Floor
2:15pm – 3:00pm:  Breakout Session #3, 4th, 5th, 8th & 9th Floors
2:15pm – 3:00pm:  Mentoring Sessions #5 & #6, Colloquium Room, 5th Floor
3:15pm – 4:00pm:  Breakout Session #4, 4th, 5th, 8th & 9th Floors
3:15pm – 4:00pm:  Mentoring Sessions #7 & #8, Colloquium Room, 5th Floor
4:15pm – 5:30pm:  Closing Plenary Panel, Eisner & Lubin, 4th Floor
4:15pm – 5:30pm:  Closing Plenary Panel Live Stream, Rosenthal, 10th Floor
5:30pm – 7:00pm:  Reception, Rosenthal, 10th Floor

Download the Official Summit App
Summit Schedule & Session Descriptions

Breakout Session #1
10:30 am – 11:15 am

TRACK: CONNECTED HEALTH
Title: The Internet of Biomarkers: Data Fusion for Wellness & Clinical Decision Making
Presenter: John McDevitt, Chair, Department of Biomaterials
Location: Room 903, 9th Floor

TRACK: ENTREPRENEURSHIP & INNOVATION
Title: Effective Designer-Developer Collaboration
Presenters: James Walsh, Product Designer, Steph Gaspar, Software Developer, Hyobin Im, UX Designer, Tianyue Wu, UX Designer, Vidya Anindhita, UX Designer & Yu-Hsuan Lin, UX Designer
Location: Room 907, 9th Floor

Title: Building a Culture of Digital Accessibility at NYU: How We Got Our Community on Board!
Location: Room 406, 4th Floor

Title: MapMob: A User Engagement and Management Web Development Project
Presenters: Avigail Vantu, Research Scientist, Hong Gao, Associate Research Scientist, Thomas Kirchner, Assistant Professor & Shivendra Panicker, Graduate Developer
Location: Room 904, 9th Floor

TRACK: INTERNET OF THINGS
Title: The Past, Present & Future of the Smart Home User Experience
Presenter: Ted Hayes, Director of Interactive Electronics
Location: Room 914, 9th Floor

TRACK: RESEARCH & SCHOLARSHIP
Title: High School English Language Learners: Students & Consultants Acquiring Academic English Online While Learning about the UN
Presenters: Miriam Ebsworth, Director of PhD Programs in Multilingual Multicultural Studies & Chencen Cai, PhD Candidate in TESOL, NYU Steinhardt
Location: Room 908, 9th Floor

Title: It’s About Time! Tech-Based Art Meets Art Conservation
Presenter: Hannelore Roemich, Professor of Conservation Science & Christine Frohnert, Research Scholar
Location: Room 912, 9th Floor

Title: Graphics Processing Units (GPUs) for High-Performance Computing: What Do We Need to Worry About?
Presenter: Mohamed Zahran, Faculty
Location: Room 901, 9th Floor

TRACK: TEACHING & LEARNING
Title: Technology in the Interdisciplinary Classroom
Presenters: Cyd Cipolla, Class Advisor and Associate Faculty, (Moderator) Nick Likos, Associate Dean for Strategic Initiatives, Operations & Technology, Eugenia Kisin, Assistant Professor & Lisa Daily, Class Adviser & Associate Faculty
Location: Room 405, 4th Floor

Title: Increasing Collaboration Through Creative Technology Use
Presenter: Jules Csillag, Speech Pathology Consultant
Location: Room 802, 8th Floor
Title: HAM Radio in the University Environment – Applications in Teaching & Research  
**Presenter:** Zoltan Derzsi, Postdoctoral associate  
**Location:** Room 906, 9th Floor

Title: Latest Implementations of VR and AR Around NYU  
**Presenters:** Lillian Moran, Senior Educational Technologist, NYU College of Dentistry, Philip Kain, Clinical Professor & Director of Academic Engagement & Experiential Learning, NYU FAS, Andrew Greene, Senior Educational Technologist, NYU FAS, Craig Wilson, General Manager, NYU Tandon Digital Future Lab, Greg Dorsainville, Media Developer, NYU School of Medicine & Christian Opazo, Director of Educational Technology, NYU College of Dentistry  
**Location:** Eisner & Lubin, 4th Floor

Title: Person Challenge: Designing With The Student in Mind  
**Presenters:** Shakira Willoughby-Little, Senior Instructional Designer & Siobhan Wilmot-Dunbar, Academic Technologist  
**Location:** Room 905, 9th Floor

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**Breakout Session #2**  
**11:30 am – 12:15 pm**

**TRACK: CONNECTED HEALTH**

Title: Changing The Way We See & Use Medications: Innovations in Pharmaceutical Packaging Solutions  
**Presenter:** Artin Perse, Founder and CEO, PillSafe  
**Location:** Room 912, 9th Floor

**TRACK: ENTREPRENEURSHIP & INNOVATION**

Title: Development of an Ecological Momentary Assessment Platform for Public Health Research  
**Presenters:** Hong Gao, Associate Research Scientist, Tom Kirchner, Clinical Associate Professor & Avivail Vantu, Research Scientist  
**Location:** Room 904, 9th Floor

Title: AI for a Better Life  
**Presenter:** Sergio Mastrogiovanni, Data Scientist  
**Location:** Eisner & Lubin, 4th Floor

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Title: Consuming, Creating & Curating: Insights into Preparing K-12 Teachers to Leverage Technology  
**Presenter:** Carolyn Strom, Clinical Assistant Professor, NYU Steinhardt  
**Location:** Room 903, 9th Floor

**TRACK: INTERNET OF THINGS**

Title: Using Technology for Community Safety at Home and Abroad  
**Presenter:** Will Huser, Director, Global Security Operations Center  
**Location:** Room 907, 9th Floor

**TRACK: RESEARCH & SCHOLARSHIP**

Title: Rechargeable Li-Ion Cell State of Health by In Situ Inside-Out Magnetic Resonance Imaging  
**Presenter:** Emilia Silletta, Postdoctoral Researcher  
**Location:** Room 906, 9th Floor

**TRACK: TEACHING & LEARNING**

Title: Developing an Online Social Architecture for a Dual-Campus Degree  
**Presenters:** Kyle Blythe, Product Team Lead, Kelsey Buttendorf, Assistant Director of Academic Technology, NYU Steinhardt, Claire Menegus, Interim AVP of Application Development  
**Location:** Room 901, 9th Floor

Title: Boumerang: A Card Game Promoting Technology in Human Rights  
**Presenter:** Rayyan Dabbous  
**Location:** Room 905, 9th Floor

Title: Impossible Places: Possible Synergies - Partnerships for Virtual Reality Projects  
**Presenters:** Philip Kain, Clinical Professor & Andrew Greene, Senior Educational Technologist, FAS Office of Educational Technology  
**Location:** Room 802, 8th Floor

Title: NYU Classes: The Platform for Delivering Asynchronous Graduate Learning  
**Presenter:** Edward Kleinert, Clinical Assistant Professor  
**Location:** Room 406, 4th Floor
Title: Full Circle Design Model: Educational Evaluation and Research at NYU
**Presenters:** Elizabeth McAlpin, Project Director, Research & Outcomes Assessment, Selin Kalaycioglu. Clinical Associate Professor of Mathematics & Susan Burger, Director of Family Peer Advocate Credentialing and Workforce Development
**Location:** Room 914, 9th Floor

Title: Outcomes, Assessments & Activities - How to Evaluate Alignment in a Systematic Way
**Presenters:** Lillian Moran, Senior Educational Technologist, NYU College of Dentistry & Shirley Birenz, Clinical Assistant Professor
**Location:** Room 405, 4th Floor

Title: Using Blended Courses for Professional Development in the Public Health Sector
**Presenter:** Marina Thomatos, Associate Director of Technology Enhanced Education, CGPH
**Location:** Room 908, 9th Floor

**Breakout Session #3**
2:15 pm – 3:00 pm

**TRACK: CONNECTED HEALTH**

**Title:** Neurotechnology-Assisted Mental Wellness
**Presenter:** Dino Dvorak
**Location:** Room 908, 9th Floor

**Title:** Developing an Auto-ADAPTER System for Real-Time Monitoring and Control of Organ-on-a-chip Cultures
**Presenters:** Renee-Tyler Tan Morales, Research Assistant & Kevin Guan, Research Assistant
**Location:** Room 901, 9th Floor

**Title:** Virtual Reality Environments for Balance Rehabilitation
**Presenters:** Zhu Wang, Makan TaghaviDilamani, Anat Lubetzky, Angieszka Roginska & Ken Perlin
**Location:** Room 903, 9th Floor

**TRACK: RESEARCH & SCHOLARSHIP**

**Title:** Esri Storymaps: Storytelling Made Easy
**Presenters:** Him Mistry, Manager, NYU Data Services & Michelle Thompson, GIS Specialist, NYU Data Services
**Location:** Room 905, 9th Floor

**Title:** Single-Use 3D Printed Instruments for Artificial Knee Surgery
**Presenters:** Peter S. Walker PhD, Professor of Orthopedics & Mechanical Engineering, Andrew Buckland, Manager LaGuardia Studio NYU, Ran Schwartzkopf MD, Orthopedic Surgeon NYU Langone Orthopedic Hospital & Stephen Chan, Research Engineer, NYU Langone Orthopedic Hospital

**TRACK: ENTREPRENEURSHIP & INNOVATION**

**Title:** An Audience of One: Using Hyper-Personalized Data to Communicate with iGen
**Presenters:** Cassandra Bizzaro, Senior Associate Director & Erin Potter, Executive Director of Communications & Dean’s Special Projects
**Location:** Room 912, 9th Floor

**Title:** Hacking for Social Good: Why and How More Engineers Should Learn Social Entrepreneurship
**Presenter:** Jon Chin, Share Meals, CEO and Founder
**Location:** Room 802, 8th Floor

**Title:** Creating Accessible Content: Best Practices for Digital Accessibility
**Presenters:** Kitty Bridges, Associate Vice President, Digital Accessibility and IT Policy/Compliance/NYU IT, Jodi Goldberg, Assistant Director, Accessible Technology Services - Digital Accessibility Program/NYU IT & Marshall Sunnes, Senior Accessibility Specialist - The Moses Center for Students with Disabilities
**Location:** Room 907, 9th Floor

**Title:** Civic Technology for Racial Equity
**Presenter:** Riley Jones
**Location:** Room 906, 9th Floor

**Title:** Data-Driven Decisions: Empowering Business Through Self-Service
**Presenters:** Andrew Maliszewski, Program Director, NYU IT Enterprise Data Management, Manish Devjani, Project Director, Peter Sidi, Tableau Service Lead, Amir Vastani, BI Expert, Brilliant Associates & Rob Schmuecker, BI Expert, Brilliant Associates
**Location:** Eisner & Lubin, 4th Floor
**Location:** Room 405, 4th Floor

### TRACK: TEACHING & LEARNING

**Title:** Facilitating Different Types of Student Interactions with a New Online Conversational Platform  
**Presenters:** Kyle Blythe, Product Team Lead, Clay Shirky, Vice Provost for Educational Technologies, Jeff Pasch, Interim AVP of Application Development & Minhye Kim, eLearning Specialist  
**Location:** Room 914, 9th Floor

**Title:** Using Google Apps Script  
**Presenter:** David Morrin, Recorded Music Technician  
**Location:** Room 406, 4th Floor

**Title:** Building Successful Online Modules for Clinical Educators to Prepare Students for Clinical Practice  
**Presenter:** Ryan Waingortin, Instructional Designer  
**Location:** Room 904, 9th Floor

### Breakout Session #4

**3:15 pm – 4:00 pm**

### TRACK: ENTREPRENEURSHIP & INNOVATION

**Title:** Containerizing the Research Data Lifecycle  
**Presenters:** Flannon Jackson, Senior DevOps Engineer, Ekaterina Pechekhonova, Senior Programmer & Edgardo Ramirez, Manager IT Linux  
**Location:** Room 906, 9th Floor

**Title:** The Future of Agricultural Technology in Africa.  
**Presenter:** Tatenda Ndambakuwa  
**Location:** Room 912, 9th Floor

**Title:** My Shrink Calls it Sublimation: a Data-Driven, Machine-Managed Plan to Monitor, Predict, and Pre-empt Depression  
**Presenter:** Jenna Xu  
**Location:** Room 901, 9th Floor

### TRACK: INTERNET OF THINGS

**Title:** Battle in the Blood Mobile Gaming App: Download, Play & Learn about HIV  
**Presenter:** Emmanuel S. Baja, ScD, Research Associate Professor  
**Location:** Room 904, 9th Floor

**Title:** Real-Time IOT (Sensor Data Alerts) Ingestion Using Streaming APIs  
**Presenter:** Satya Kunta, Program Director, Enterprise Data Management, NYU IT  
**Location:** Room 802, 8th Floor

### TRACK: RESEARCH & SCHOLARSHIP

**Title:** Video Data and Documentation Will Transform Behavioral and Biomedical Science  
**Presenter:** Karen Adolph, Professor of Psychology  
**Location:** Room 907, 9th Floor

### TRACK: TEACHING & LEARNING

**Title:** Use 3D Model Axial Rotation Techniques to Generate Side-By-Side 3D Stereo VR Presentations  
**Presenter:** Greg X. Gao, Clinical Assistant Professor  
**Location:** Room 903, 9th Floor

**Title:** Attracting Venture Capital to New Technology  
**Presenter:** Anthony H. Handal, Partner at Handal & Morofsky, LLC  
**Location:** Room 905, 9th Floor

**Title:** Creative Cartography: The City as Site of Cultural Production  
**Presenter:** Susanna Horng, Clinical Associate Professor  
**Location:** Room 405, 4th Floor

**Title:** Speaking, Reading, Writing Digitally: Reflections on Tech-Enhanced Language Instruction Projects  
**Presenters:** Deanna Sessions Milano, Coordinator
of Digital Pedagogy Initiatives, FAS, Mayumi Matsumoto, Language Lecturer East Asian Studies, Faculty of Arts & Science, Aline Baehler, Senior Language Lecturer Department of French Literature, Thought & Culture, Faculty of Arts & Science, Elizabeth Augspach, Senior Language Lecturer Spanish and Portuguese Language & Literature, Faculty of Arts & Science, Kazue Kurokawa, Senior Language Lecturer Naoko Sourial, Senior Language Lecturer East Asian Studies, Faculty of Arts & Science

**Location:** Room 914, 9th Floor

**Title:** Fostering Technology Enhanced High Quality Program & Curriculum Design: Integration, Use, Impact

**Presenters:** Karen Miner-Romanoff, Assistant Dean for Academic Excellence, Chris Zakrzewski, Director, Educational Technology & Wenjuan Li, Associate Director, Teaching & Learning Assessment

**Location:** Eisner & Lubin, 4th Floor

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**Poster Descriptions**

**TRACK: CONNECTED HEALTH**

**Title:** Testing Usability & Acceptance of the electronic Patient Visit Assessment (ePVA) for Head & Neck

**Presenters:** Janet Van Cleave, Assistant Professor, Mei R. Fu, PhD, RN, FAAN, Associate Professor with Tenure

**Title:** MID Card - Saving Time, Saving Lives

**Presenter:** Salonee Ferrao

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**TRACK: ENTREPRENEURSHIP & INNOVATION**

**Title:** Increasing NYU Global Housing Occupancy Using Trend Analysis

**Presenters:** Tahesha Atkins, Senior IT Global Support Analyst, Office of Residential & Housing Services, John Carrion, Assistant Director of Global Housing Administration, Office of Residential & Housing Services & Ujjawal Gupta, Student IT Support, Office of Residential & Housing Services

**Title:** The Parking Lot

**Presenters:** Scott Broussard, Jeremy Buckner, IT Specialist, Chris Oh, Computer Science Undergrad at Tandon & Yi Chun Yeh, Computer Science Undergrad at Tandon

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**TRACK: INTERNET OF THINGS**

**Title:** Crypto-signatures

**Presenter:** Carlos De Oliveira

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**TRACK: RESEARCH & SCHOLARSHIP**

**Title:** Digital Repository Services for Research: Building Capacity for Research Storage & Sharing at NYU

**Presenter:** Scott Collard, Head, Specialized Research Services & Social Sciences

**Title:** FURRThERHealth.com: An Interactive Web Portal for Stroke Survivors and their Social Networks

**Presenters:** Nina S. Parikh, PhD & Noa Appleton

**Title:** NYU Data Services: Enable, Foster & Support Research at NYU

**Presenter:** Him Mistry, Manager, NYU Data Services, Research Technology, NYU IT

**Title:** The Library Does That?!

**Presenter:** Ashley Maynor, Digital Scholarship Librarian

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**TRACK: TEACHING & LEARNING**

**Title:** Enabling Research & Teaching Through the Use of Advanced Computing

**Presenter:** Tatiana Polunina

**Title:** Hi, My Name is CSLC

**Presenter:** Jordan Genee, Assistant Director, Simulation Technology

**Title:** Building Deep Learning Experiences Using Immersive XR Technologies.
Presenters: Dave Lasala, Interactive Development Team Lead, Jon Bowen, Robert Schwartzberg & Marc Griffin

Title: Technology & the Flipped Classroom
Presenter: Kevin Bonney, Assistant Dean of Faculty Development and Program Advancement; Clinical Assistant Professor

Title: Web Publishing Showcase Sites
Presenter: Malik Singleton

Title: Meeting Them Where They Are: Adjusting Online Environments To Improve Student Engagement
Presenters: Renee McGarry, Senior Educational Designer & Scott Henkle, Educational Designer

Title: Proteomic-Mirror from Pascal Programming Project
Presenter: Thomas Gorrell, Adjunct Assistant Professor

Title: NYU Classes: 5 Year Evolution of the Digital Learning Environment
Presenters: Clea Mahoney, eLearning Specialist, Elisa Rincon, Team Lead & Senior eLearning Specialist, Minhye Kim, eLearning Specialist, Alvin Shelton, eLearning Specialist, Heena Gulati, eLearning Specialist, Aronno Shafi, Student Consultant, Wilfred Richardson, Student Consultant, Mohammed Abrar, Student Consultant,

LEARN

The Learning Analytics Research Network (LEARN) is a new university wide network of researchers, instructors, technologists and other stakeholders at NYU united by a common interest in using data science to better understand and improve education. Stop by the LEARN Lounge anytime during the afternoon of the Tech Summit for one of our many interactive sessions exploring new ways analytics can support teaching and learning at NYU.

LEARN LOUNGE SCHEDULE

1:00pm: LEARN Lounge Opens

1:15pm - 1:30pm: DEMOS Interactive Body and Gesture Detection System & Dynamic Network Wall

Yoav Bergner and Xavier Ochoa

1:30pm - 2:00pm: WORKSHOP Data-Driven Decision-Making and Learning Design
Alyssa Wise, Ben Maddox and Yoav Bergner
How exactly can learning analytics inform teaching and course design? Join us to explore possibilities in this hands-on workshop. Using concrete examples, we’ll walk through the different kinds of insight innovative educational data analysis techniques offer and consider their specific application to our own courses.

2:00pm - 2:15pm: DEMOS Interactive Body and Gesture Detection System & Dynamic Network Wall
Yoav Bergner and Xavier Ochoa

2:15pm - 3:00pm: PRESENTATION Opposites Attract: Analytics and the Humanities Seminar
Robert Squillace and Andrew Brackett
The session will explore analytics use from the instructor’s perspective, focusing on a partnership to develop a faculty-facing analytics tool for a seminar that emphasizes project-based learning. Visual examples will illustrate how the learning analytics service supported instructional decision-making and showcase recent enhancements to the data visualizations.

3:00pm - 3:15pm: DEMOS Interactive Body and Gesture Detection System & Dynamic Network Wall
Yoav Bergner and Xavier Ochoa

3:15pm - 4:00pm: RECEPTION & DISCUSSION More Than Lightning in a Bottle: (How) Will Learning Analytics Transform Teaching & Learning?
Alyssa Wise, Martin Pusic and Xavier Ochoa
Increased data availability and new analysis methods offer exciting opportunities to look inside learning processes in ways never before possible. But (how) will this transform university teaching and learning?