



1500 Stony Brook Road Stony Brook, NY 11794-6040

Phone: 631-216-7000 Email: hack@cewit.org Web: www.cewit.org/hack

Twitter: @CEWIT_SBU, #HackAtCEWIT Devpost: hackatcewit.devpost.com

Slack: hackatcewit.slack.com, #team-sbu

WELCOME TO HACK@CEWIT

Hack@CEWIT

43-Hour IoT and Microservices Hack President's Day Weekend 2017

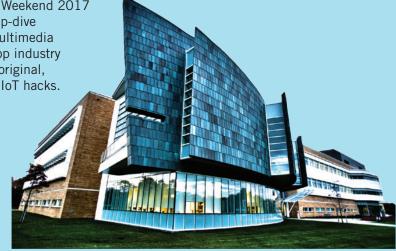
The Center of Excellence in Wireless and Information Technology (CEWIT) at Stony Brook University

Hack@CEWIT is the Center of Excellence in Wireless and Information Technology (CEWIT)'s inaugural region-wide, interdisciplinary student hackathon focusing on industry-relevant internet of things (IoT) and microservices challenges in the Center's 100,000 s.f., next-generation research and education facility — at Stony Brook University.

Hack@CEWIT is a 43-hour hack over President's Day Weekend 2017 featuring an interactive speaker series, hands-on, deep-dive workshops, industry hacker guru programs, games, multimedia experiences, and opportunities for recruitment with top industry prizes for the most innovative, most ambitious, most original, most health-conscious, and most industry-applicable IoT hacks.

A Lab to Marketplace Approach

Hack@CEWIT is designed in conjunction with our core industry partners, sponsors, and member entrepreneurs to select scenarios that will have a direct, real-world application to their product portfolios.



A Major League Hacking Event



VERED BY ONL



Major League Hacking (MLH) is the official student hackathon league. Each year, we power over 200 weekend-long invention competitions that inspire innovation, cultivate communities and teach computer science skills to more than 65,000 students around the world. MLH is an engaged and passionate maker community, consisting of the next generation of technology leaders and entrepreneurs.

By the Numbers

- More than \$40K in industry sponsorship commitments
- More than 200 students participating from major universities
- 10 collaborating companies
- 24 collaborating Stony Brook University departments and organizations

- A Major League Hacking event
- 6 top industry prizes totaling \$5K
- Over 25 invited tech talks and hands-on, deep-dive workshops
- 9 regional entrepreneurs, researchers, and innovators on the judging panel



SPEAKERS

CEWIT Leadership



Dr. Yacov ShamashVice President for
Economic Development,
Stony Brook University



Dr. Satya Sharma
Executive Director,
CEWIT,
Stony Brook University

Keynote Speakers



Jonathan Gottfried '11, Founder, Major League Hacking

Jon Gottfried is the co-founder of Major League Hacking, the official student hackathon league. He is one of the foremost experts on Developer Relations. Jon previously co-created the Hacker Union, worked as a Developer Evangelist – loves creating new technology and teaching people to do the same. He graduated from SUNY Stony Brook University in 2011 and was recently named to the Forbes 30 Under 30 Education category.



Eugene Sayan Founder & CEO, Softheon

As Softheon's Founder and Chief Executive Officer, Eugene Sayan leads the company's vision and strategic direction to help achieve your goal of addressing ACA mandate challenges, implementing single and multi-carrier private exchanges, and integrating with Federal & State Based Marketplaces. Over the past 25 years, he has developed and nurtured innovative solutions that are adopted by many healthcare payers, providers, and government agencies, including Massachusetts Connector, the nation's first fully operational State Health Benefits Exchange.

JUDGING PANEL



Derek Peterson Founder & CEO, Digital Fly



Eugene Sayan Founder & CEO, Softheon



Genevieve Hoffman Creative Researcher, The Office for Creative Research, Brooklyn Resea rch; cDACT Artist-in-Residence



Jason Vail Cisco, IoT Solutions Specialist, Cisco Systems Inc.



Michael Caplan
Development Manager,
Dental Lab Software Division
and the Global Innovation
Center, Henry Schein, Inc.



Mike Gouzman CTO, Center for Advanced Technology in Diagnostic Tools & Sensor Systems (SensorCAT), Stony Brook University



Paul Murcott
Sr. Principal Product
Manager, Accelerator East,
CA Technologies



Ryan Burda Developer, 1010data



Yun Zhang
Founder & CEO, Mobileware Inc.



SCHEDULE

DAY 1: FRIDAY, FEBRUARY 17

4:00pm-6:00pm Registration: Hacker & Hacker Guru Networking; Experiences: Reality Deck, Gesture Garden & háček

4:00pm-8:00pm Team Formation & Team Photos

for Economic Development, Stony Brook University; Keynotes, Jonathan Gottfried '11, Co-Founder, Major League Hacking & Eugene Sayan, CEO, Softheon; Hack@CEWIT Overview; Introduction of

Softheon Web Services; Meet Your Hack@CEWIT Sponsors, Gurus and Organizers

7:00pm Hack@CEWIT, Softheon, and MLH Hardware Labs

7:00pm- 8:00pm Dinner Reception

8:00pm Official Hack@CEWIT Kickoff

8:00pm-12:00am Hack@CEWIT Zero to Hero Kickoff Tracks: Raspberry Pi, Arduino & ESP 8266, Softheon Software

Services: Identity, Payment, and Data

DAY 2: SATURDAY, FEBRUARY 18

12:00am-2:00am Night School: Midnight Howl, Yoga Fusion, Sugar Rush & DJ+VJ Set

12:00am-9:00am Night School: Game Room + Movies

8:00am-9:00am Meet the Sun: Sunrise Yoga & Meditation Session

9:00am-11:00am Breakfast Session

10:00am-1:00pm Tech Talks & Deep-Dive Workshops: Intro to IoT Security, Intro to 3D Printing with Fusion 360,

Getting Started with Azure IoT, Everyday Interfaces - Turning Objects into Capacitive Touch Sensors, RESTful Interface Design, Designing User Interfaces, Serious Games - Gaming for Good, Git:

A Comprehensive Introduction, A Verified Internet of Dumb Things

1:00pm-3:00pm Lunch Session

2:00pm-3:00pm Hacker Guru Checkpoint

3:00pm-7:00pm Tech Talks & Deep-Dive Workshops: Intro to CompArts-Processing, Intro to Microservices,

Building a DIY GameTrak Controller, Dorm Room to Board Room-How to Get There, Into to HCI, Strings Attached: A Multimedia Performance & Open House, Intro to Artificial Intelligence,

Intro to Virtual & Augmented Reality, How to Ace a Technical Interview

6:00pm-8:00pm Dinner Session

8:00pm-12:00am Night School: Game Room + Movies

10:00pm-12:00am Night School: Midnight Howl, Fusion Yoga Session, Sugar Rush & DJ+VJ Set

11:00pm Project Submission

DAY 3: SUNDAY, FEBRUARY 19

6:00am-8:00am Meet the Sun: Sunrise Bagels, Yoga & Meditation Session

9:00am- 10:00am Brunch Session

10:00am-12:00pm Project Presentations, Judging

12:00pm-1:00pm Closing Ceremony: Prizes & Giveaways, Wrap Up & Open Networking

ALL WEEKEND

Hack@CEWIT Sponsor Stations: Hacker Gurus & Recruitment Teams

Hack@CEWIT, Softheon, and MLH Hardware Labs Beverage & Snack Station Provided by Softheon

Night School: Game Room + Movies R&R Rooms + Team Breakout Rooms

On Exhibit: háček

On Exhibit: Gesture Garden

SPONSORS & COLLABORATORS



SOFTHEON

At Softheon we strive to create simple solutions to complex problems. Our innovative and easy-to-use products have revolutionized the way everyday people access health insurance. With over two decades of experience, we've designed five platforms to help our partners quickly adapt to industry standards, manage client data, and grow their membership, while never compromising the exceptional care they provide. In 2016, we successfully collaborated with health plans, brokers, employers, and governmental organizations in all 50 states to care for over 1.6M lives.

1010DATA

1010DATA

1010data makes big data discovery easy; we power sub second responses to analyses run on billions of rows of data. An essential tool to more than 750 of the world's top retail, manufacturing, telecom, and financial services enterprises; 1010data is a highly differentiated product that is becoming the industry standard for Big Data Discovery and Data Sharing. With more than 27 trillion rows of data in our private cloud, 1010data is designed to scale to the largest volumes of granular data, the most disparate and varied data sets, and the most complex advanced analytics. All while delivering lightning-quick system performance.



ZEBRA TECHNOLOGIES

Zebra Technologies Corporation builds actionable information and insight, giving companies unprecedented visibility into their businesses by giving physical things a digital voice. Zebra's extensive portfolio of solutions give real-time visibility into everything from products and physical assets to people, providing very precise operational data not only about where things are, but what condition they are in, helping businesses understand how they work, and how they could work better.



CA TECHNOLOGIES

CA Technologies creates software that fuels transformation for companies and enables them to seize the opportunities of the application economy. Software is at the heart of every business in every industry. From planning, to development, to management and security, CA is working with companies worldwide to change the way we live, transact, and communicate - across mobile, private and public cloud, distributed and mainframe environments.



SMM ADVERTISING

A full-service advertising and marketing agency, SMM Advertising builds authentic and engaging communication strategies through all available media platforms. Services include: branding, websites, video, print, broadcast and online advertising, collateral, direct and digital marketing, social media, and PR.



HENRY SCHEIN, INC.

Henry Schein, Inc. is the world's largest provider of healthcare products and services to office-based dental, animal health and medical practitioners. With 2015 sales of \$10.4 billion, Henry Schein is a Fortune 500® Company with more than 18,000 Team Schein Members and more than one million customers.

SPONSORS & COLLABORATORS



CISCO SYSTEMS

Cisco is the worldwide leader in IT that helps companies seize the opportunities of tomorrow by proving that amazing things can happen when you connect the previously unconnected. At Cisco customers come first and an integral part of our DNA is creating long-lasting customer partnerships and working with them to identify their needs and provide solutions that support their success.



INTELIBS

Intelibs delivers complete product and services for your wireless indoor and outdoor coverage and capacity deployment. Our 4G in-building solutions along with our 3G network offers enable service provider, enterprise users and universities to build out a solution for wireless broadband access anywhere, anytime.



GITHUB

GitHub is how people build software. Over 19 million people use GitHub to share code and build amazing things with friends, co-workers, classmates, and complete strangers. With the collaborative features of GitHub.com, our desktop and mobile apps, and GitHub Enterprise, it has never been easier for individuals and teams to write better code, faster.



IN COLLABORATION WITH STONY BROOK UNIVERSITY

Stony Brook University is one of America's most dynamic public universities, a center of academic excellence and an essential part of the region's economy. U.S.News & World Report ranks Stony Brook among the top 40 public universities in the nation, and the Times Higher Education World University Rankings places us among the top 1 percent of all the universities in the world. A member of the prestigious, invitation-only Association of American Universities, Stony Brook is one of the 62 leading research institutions in North America and the co-manager of Brookhaven National Laboratory.

- Center for Advanced Technology in Diagnostic Tools and Sensor Systems (SensorCAT)
- Consortium for Digital Arts, Culture, and Technology (cDACT)
- Department of Campus Recreation
- Department of Computer Science (CS)
- Department of Electrical Engineering (ECE)
- Division of Information Technology (DoIT)
- Innovation Lab at Stony Brook University
- Office of the Vice President for Economic Development (VPED)
- Stony Brook Computing Society (SBCS)
- Stony Brook University Alumni Association
- Stony Brook University Career Center
- Stony Brook University Game Developers
- Stony Brook University Police Department
- Strategic Partnership for Industrial Resurgence (SPIR)
- Women in Computer Science (WiCS)