



# SCHEDULE

SUNDAY, OCT. 13, 2019

RALEIGH CONVENTION CENTER / ALLTHINGSOPEN.ORG

## INCLUSION IN OPEN SOURCE & TECHNOLOGY

**12:00PM EARLY CHECK-IN / MAIN LOBBY**

**1:00PM WELCOME**

Todd Lewis, All Things Open

**1:10PM THE BARRIERS TO ENTRY I FACE AS A MOM IN TECH**

Nikema Prophet, PopSchools, Inc.

**1:25PM SO YOU WANT YOUR DAUGHTER TO BE A TECHNOLOGIST...WHAT NOW?**

Navya Solkhan

**1:40PM OPEN OFFICE CULTURE SHIFT: HOW D&I BUILDS BETTER TECH TEAMS**

Adrienne Smith & Brittany Glover, Intersections

**1:55PM I CAME HERE TO MEET 10 BLACK PEOPLE: NORMALIZING MY OWN PRESENCE IN TECH**

Jocelyn Matthews, Storj Labs

**2:10PM IDENTITY EXPRESSION: COMING OUT OF THE WORK CLOSET**

Matt Rogers, WillowTree, Inc.

**2:25PM THE VALUE OF OLD PEOPLE IN TECHNOLOGY**

James Schweitzer, IBM

**2:35PM BREAK**

**2:45PM SCREENING OF THE CHASING GRACE FILM *PROGRESS: THE POWER OF COMMUNITY***

**3:15PM DISCUSSION WITH THE PRODUCER**

Jennifer Cloer, reTHINKit Media

**3:45PM BREAK**

**4:00PM DISCUSSION GROUPS**

**5:00PM BREAK**

**5:15PM CLOSING COMMENTS**

Todd Lewis, All Things Open

**6:00PM WELCOME SOCIAL**







# SCHEDULE

## TUESDAY, OCT. 15, 2019

RALEIGH CONVENTION CENTER / ALLTHINGSOPEN.ORG

- 8:00AM REGISTRATION**
- 9:00AM WELCOME KEYNOTE**  
Todd Lewis, All Things Open
- 9:15AM KEYNOTES**
- 10:30AM BREAK**
- 10:45AM BREAKOUT SESSIONS**
- 11:30AM BREAK**
- 11:45AM BREAKOUT SESSIONS**
- 12:30PM LUNCH**
- 12:45PM STARTUP PITCH COMPETITION**
- 1:00PM BREAKOUT SESSIONS**
- 2:00PM BREAK**
- 2:15PM BREAKOUT SESSIONS**
- 3:00PM BREAK**
- 3:15PM BREAKOUT SESSIONS**
- 4:00PM BREAK**
- 4:15PM BREAKOUT SESSIONS**
- 5:00PM BREAK**
- 5:15PM CLOSING KEYNOTE**  
Todd Lewis, All Things Open
- 5:30PM EVENING SOCIALS**

FRONT-END DEVELOPER BALLROOM C	DEVOPS BALLROOM A	MACHINE LEARNING ROOM 301A	BIG DATA ROOM 301B	CLOUD ROOM 302A	HARDWARE / IOT ROOM 302B	SECURITY ROOM 302C	LINUX / INFRASTRUCTURE ROOM 303	DIGITAL CURRENCY ROOM 304	101 ROOM 305A	BACK-END DEVELOPER ROOM 305B
<b>10:45AM-11:30AM</b> Automated Testing JavaScript Dr. Venkat Subramaniam, Agile Developer, Inc.	<b>10:45AM-11:30AM</b> OPEN	<b>10:45AM-11:30AM</b> Using Open Source Tools for Machine Learning Samuel Taylor, Indeed	<b>10:45AM-11:30AM</b> OPEN	<b>10:45AM-11:30AM</b> OPEN	<b>10:45AM-11:30AM</b> OPEN	<b>10:45AM-11:30AM</b> Prescriptive System Security with InSpec Mandi Walls, Chef Software	<b>10:45AM-11:30AM</b> Istio + Envoy: Enabling Sidecars for Microservices Angela Chin, Pivotal	<b>10:45AM-11:30AM</b> OPEN	<b>10:45AM-11:30AM</b> Open Clouds: The New Primitives in Enterprise IT and Mobile Networks Mark Voelker, VMware, Inc.	<b>10:45AM-11:30AM</b> OPEN
<b>11:45AM-12:30PM</b> Those Who Can Do Should Also Teach Ali Spittel, Dev.to	<b>11:45AM-12:30PM</b> OPEN	<b>11:45AM-12:30PM</b> K-Means for Anomaly Detection Anais Dotis-Georgiou, InfluxData	<b>11:45AM-12:30PM</b> Deploying your first dbt project with GitLab CI Emilie Schario, GitLab	<b>11:45AM-12:30PM</b> Deploy & manage apps across multiple Kubernetes clusters by extending Kubernetes Rajashree Mandaogane, Rancher Labs	<b>11:45AM-12:30PM</b> Getting Started with Open IoT and The Things Network Nathan McMinn, conservio	<b>11:45AM-12:30PM</b> Rethinking Open Source in the age of Cloud Michael Ducey, Sysdig	<b>11:45AM-12:30PM</b> Finding the forest through the trees: Building observability infrastructure with 100% Open Source David Grizzanti, Comcast	<b>11:45AM-12:30PM</b> OPEN	<b>11:45AM-12:30PM</b> An Introduction to Kubernetes Functionality and an Update on the Kubernetes Conformance Certification Program Brad Topol, IBM	<b>11:45AM-12:30PM</b> Polly Want a Message Sandi Metz, TorqueForge
<b>1:00PM-2:00PM</b> OPEN	<b>1:00PM-2:00PM</b> OPEN	<b>1:00PM-2:00PM</b> OPEN	<b>1:00PM-2:00PM</b> OPEN	<b>1:00PM-2:00PM</b> OPEN	<b>1:00PM-2:00PM</b> OPEN	<b>1:00PM-2:00PM</b> OPEN	<b>1:00PM-2:00PM</b> OPEN	<b>1:00PM-2:00PM</b> OPEN	<b>1:00PM-2:00PM</b> OPEN	<b>1:00PM-2:00PM</b> OPEN
<b>2:15PM-3:00PM</b> Managing an Open Source Project Kent C. Dodds	<b>2:15PM-3:00PM</b> CI/CD for Machine Learning Sasha Rosenbaum, Microsoft	<b>2:15PM-3:00PM</b> Open Source: Accelerating Innovation in the AI Market Ibrahim Haddad, LF AI Foundation	<b>2:15PM-3:00PM</b> OPEN	<b>2:15PM-3:00PM</b> Launching the Micro Future: Grails and Micronaut Jeff Scott Brown, Object Computing, Inc	<b>2:15PM-3:00PM</b> Walley: From Weekend Prototype to Nationally Deployed IoT Device Hampton Catlin, Rent the Runway	<b>2:15PM-3:00PM</b> The Case for Chaos testing Peter Lamar, Software AG	<b>2:15PM-3:00PM</b> OPEN	<b>2:15PM-3:00PM</b> OPEN	<b>2:15PM-3:00PM</b> Keeping Secrets: What You Need to Know about Encryption DeeDee Lavinder, Spreedly	<b>2:15PM-3:00PM</b> OPEN
<b>3:15PM-3:35PM</b> OPEN	<b>3:15PM-4:00PM</b> An Emerging Architecture Pattern for Agile Integration: Cell-based Architecture Asanka Abeyasinghe, WSO2, Inc.	<b>3:15PM-4:00PM</b> Training AI in Unity: An Introduction Mike Harris, CrossComm	<b>3:15PM-4:00PM</b> Search as the new Data Warehouse Grant Ingersoll, Lucidworks	<b>3:15PM-4:00PM</b> OPEN	<b>3:15PM-4:00PM</b> Bending the IoT to your will with JavaScript Brandon Satrom, Particle	<b>3:15PM-4:00PM</b> The Case for Chaos testing Peter Lamar, Software AG	<b>3:15PM-4:00PM</b> OPEN	<b>3:15PM-4:00PM</b> OPEN	<b>3:15PM-4:00PM</b> Non-Code Contributors Guide To Open Source Dave Strelbel, Microsoft	<b>3:15PM-4:00PM</b> SOLID Principles in Action: from Slack to Twilio Micah Silverman, Okta
<b>3:40PM-4:00PM</b> OPEN	<b>4:15PM-5:00PM</b> Test Automation without Assertions Jeremias Rößler, ReTest GmbH	<b>4:15PM-5:00PM</b> AI, Sherlock Holmes style - Introduction to automated Abductive Inference Phillip Rhodes, Fogbeam Labs	<b>4:15PM-5:00PM</b> OPEN	<b>4:15PM-5:00PM</b> Seamless Cloud-Native Apps with gRPC-Web and Istio Venil Noronha, VMware, Inc.	<b>4:15PM-5:00PM</b> Opening the IoT Edge Michael Hall, EdgeX Foundry	<b>4:15PM-5:00PM</b> OPEN	<b>4:15PM-5:00PM</b> OPEN	<b>4:15PM-5:00PM</b> OPEN	<b>3:40PM-4:00PM</b> The 5 Most Common Licenses on GitHub John Montgomery, Capital One	<b>4:15PM-5:00PM</b> OPEN
<b>4:15PM-5:00PM</b> Deep Learning at the Edge with TensorFlow.js Bradley Holt & va Barbosa, IBM									<b>4:15PM-5:00PM</b> OPEN	
UI/UX DESIGN ROOM 306A	PROGRAMING LANGUAGES ROOM 306B	FRONT-END ENGINEERING ROOM 306C	MOBILE DEVELOPER ROOM 307	COMMUNITY ROOM 206	CASE STUDY / DEMO ROOM 205	DATABASES ROOM 204	GAMING ROOM 203	EDUCATION ROOM 202	BUSINESS ROOM 201	
<b>10:45AM-11:30AM</b> OPEN	<b>10:45AM-11:30AM</b> OPEN	<b>10:45AM-11:30AM</b> The Metric System: Making Correct Performance Measurements. Henri Helvetica	<b>10:45AM-11:30AM</b> Open Source XAML Takes You Places! Sam Basu, Progress Software	<b>10:45AM-11:30AM</b> OPEN	<b>10:45AM-11:30AM</b> State of the OSU Open Source Lab Lance Albertson, OSU Open Source Lab	<b>10:45AM-11:30AM</b> Contributing to Open Distro For Elasticsearch Aloita Sharma, Amazon Web Services	<b>10:45AM-11:30AM</b> OPEN	<b>10:45AM-11:30AM</b> Turn Up The Fun (Gamifying Education) Veethika Mishra, Red Hat	<b>10:45AM-11:30AM</b> OPEN	
<b>11:45AM-12:30PM</b> Designing for crisis Eriol Fox, Ushahidi, & Justin Scherer, Hover Developer Services Inc.	<b>11:45AM-12:30PM</b> Hidden Dragons of CGO K.S. Bhaskar, YottaDB	<b>11:45AM-12:30PM</b> Shaping Up WITHOUT Angular JS David Rogers, Grove Collaborative, & Jake Dohm, Good Work	<b>11:45AM-12:30PM</b> From Cross Platform to Cross Framework Mike Hartington, Ionic	<b>11:45AM-12:30PM</b> Craft as in Beer: The Value of Community Aaron Aldrich, Red Hat	<b>11:45AM-12:30PM</b> Implementing MySQL Database-as-a-Service using open source tools Matthias Crauwels, Pythian	<b>11:45AM-12:30PM</b> Going Deeper with Open Broadcaster Software Spencer Krum, IBM	<b>11:45AM-12:30PM</b> Meet Miles! - How two parents are raising a minority child to be a future developer with strong STEM skills Jannaeé Sick, MedThink Inc., & Michael Sick, Independent Consultant	<b>11:45AM-12:30PM</b> Selecting an Open Source License and Business Model for Your Project to Have a Chance at Success! Gilles Gravier, Wipro Technology		
<b>1:00PM-2:00PM</b> OPEN	<b>1:00PM-2:00PM</b> OPEN	<b>1:00PM-2:00PM</b> OPEN	<b>1:00PM-2:00PM</b> OPEN	<b>1:00PM-2:00PM</b> Demystifying Distributed Work: Tips and tools for modern teams Cami Kaos, Automattic	<b>1:00PM-2:00PM</b> OPEN	<b>1:00PM-2:00PM</b> OPEN	<b>1:00PM-2:00PM</b> OPEN	<b>1:00PM-2:00PM</b> OPEN	<b>1:00PM-2:00PM</b> OPEN	
<b>2:15PM-3:00PM</b> The Main Role of Animations in User Interfaces Vanessa Alvarez, Alkami Technology	<b>2:15PM-3:00PM</b> Taming Styles of Python Programming Jigyasa Grover, Twitter, Inc.	<b>2:15PM-3:00PM</b> OPEN	<b>2:15PM-3:00PM</b> OPEN	<b>2:15PM-3:00PM</b> Sick of Silos? Git busy and create cross-functional teams by launching open source programs in your organization Shilla Saebi & David Grizzanti, Comcast	<b>2:15PM-3:00PM</b> Using Open Source to Enable Industrial Data Science Across Industries Josh Urban	<b>2:15PM-3:00PM</b> Connected Data & the Graph Database Landscape Greg Jordan, Graph Story	<b>2:15PM-3:00PM</b> Modern Minecraft Modding Ryan Michela, Salesforce	<b>2:15PM-3:00PM</b> Continuous Learning for Developers Brian MacDonald, DigitalOcean	<b>2:15PM-3:00PM</b> Your Company Cares About Open Source Sustainability. But Are Your Measuring and Encouraging Upstream Contributions? Dani Gellis, Indeed	
<b>3:15PM-4:00PM</b> Of Mice and BEM: Common Hangups and Paths Toward Mastery Philip Zastrow, Sparkbox	<b>3:15PM-4:00PM</b> WebAssembly: Revolution, Not Evolution John Feminella, Pivotal	<b>3:15PM-3:35PM</b> OPEN	<b>3:15PM-4:00PM</b> OPEN	<b>3:15PM-4:00PM</b> OPEN	<b>3:15PM-4:00PM</b> OPEN	<b>3:15PM-3:35PM</b> Intro to Using Spatial Data in Open Source Databases Brandon Herrington, Wake County, NC GIS	<b>3:15PM-4:00PM</b> Storytelling 101 Kevin Sonney, Elastic, & Cassandra Khaw, Ubisoft Montreal	<b>3:15PM-3:35PM</b> How to Set Up a Basic Computer Lab to Teach Kids Linux Don Watkins, Opensource.com	<b>3:15PM-4:00PM</b> Don't Go Bankrupt! Managing Technical Costs Chris Krycho, LinkedIn	
<b>4:15PM-5:00PM</b> Crafting a UX Strategy Bermon Painter, EY Digital	<b>4:15PM-5:00PM</b> Reactive Tweets Orlando Valdez, Red Ventures	<b>3:40PM-4:00PM</b> @pika/web and a Brief History of ES Modules Drew Powers, Manifold	<b>4:15PM-5:00PM</b> Behavior driven development with the Spek Framework Fred Medlin, Sittercity	<b>3:40PM-4:00PM</b> Breaking Into Tech: From The Trenches Mo Hampton, General Dynamics IT	<b>3:40PM-4:00PM</b> OPEN	<b>3:40PM-4:00PM</b> Mapping the NoSQL Schema for a Nation-Scale Electronic Health Record System for SQL Access Christopher Edwards, YottaDB, LLC	<b>3:15PM-4:00PM</b> Humanitarian FOSS - An Attractive Entry Point for Diversifying the Open Source World Heidi Ellis, Western New England University, & Gregory Hislop, Drexel University	<b>3:40PM-4:00PM</b> Website Accessibility and Risk: How to address the WCAG requirements from a design, development, and legal perspective. Edward Pritchard, Promet Source		
<b>4:15PM-5:00PM</b> Deep Learning at the Edge with TensorFlow.js Bradley Holt & va Barbosa, IBM		<b>4:15PM-5:00PM</b> OPEN	<b>4:15PM-5:00PM</b> Convergence of Communities Daniel Izquierdo, Bitergia	<b>4:15PM-5:00PM</b> OPEN	<b>4:15PM-5:00PM</b> OPEN	<b>4:15PM-5:00PM</b> Introduction to SQL++ for Big Data: Same Language, More Power Matthew Groves, Couchbase	<b>4:15PM-5:00PM</b> OPEN	<b>4:15PM-5:00PM</b> Enthusiastic "Yes!" in Mathematics Education Maria Droujkova, Natural Math, & Dmitri Droujkov	<b>4:15PM-5:00PM</b> OPEN	

**WORKSHOPS**  
Located in the Marriott Hotel

**10:45AM to 12:30PM**

**STATE BALLROOM A**  
Deploying and Scaling your first Cloud Application  
Mike Coleman, AWS

**STATE BALLROOM B**  
Using Service Meshes Workshop  
Lee Calcote, Layer5

**2:15PM to 5:00PM**

**STATE BALLROOM A**  
Programming in Kotlin  
Dr. Venkat Subramaniam, Agile Developer, Inc.