

start: 09:00

end: 09:15

Len: 0:15:0

id: 141

set page 1 of 58

Saturday Welcome

Dave Forgac

# Saturday Welcome

# Dave Forgac

start: **09:15**

end: **10:00**

Len: 0:45:0

id: 141

set page 2 of 58

From Support to Engineering and Beyond: What to Take with You, and What to Leave Behind

Adrienne Lowe

From Support to Engineering and Beyond: What to Take with You, and What to

# Adrienne Lowe

start: **10:30**    end: **11:00**

Len: 0:30:0

id: 141

set page 3 of 58

Easier Classes: Python Classes Without All the Cruft

Trey Hunner

Easier Classes: Python Classes Without All the Cruft

# Trey Hunner

start: **11:15** end: **11:45**

Len: 0:30:0

id: 141

set page 4 of 58

Go with the Flow: Automating Your Workflows with Airflow

Leo Guinan

Go with the Flow: Automating Your Workflows with Airflow

# Leo Guinan

start: **12:00**

end: **12:30**

Len: 0:30:0

id: 141

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Large-Scale Recommendation System with Python and Spark

Phil Anderson

Large-Scale Recommendation System with Python and Spark

# Phil Anderson

start: **14:00**

end: **14:45**

Len: 0:45:0

id: 142

set page 6 of 58

Software Engineering For Beginners: A Jr. Developer's Guide

Kojo Idrissa

Software Engineering For Beginners: A Jr. Developer's Guide

# Kojo Idrissa

start: **15:00**

end: **15:30**

Len: 0:30:0

id: 142

set page 7 of 58

You Can Do Deep Learning!

William Horton

# You Can Do Deep Learning!

# William Horton

start: **15:45**

end: **16:15**

Len: 0:30:0

id: 142

set page 8 of 58

Going Passwordless

Jon Banafato

# Going Passwordless

# Jon Banafato



start: **16:30**    end: **17:00**

Len: 0:30:0

id: 142

set page 9 of 58

An Only One Step Ahead Guide for Machine Learning Projects

Chang Hsin Lee

An Only One Step Ahead Guide for Machine Learning Projects

# Chang Hsin Lee

start: **17:15**

end: **18:30**

Len: 0:75:0

id: 142

set page 10 of 58

Saturday Lightning Talks

Dave Forgac

# Saturday Lightning Talks

# Dave Forgac

start: **10:30**

end: **11:00**

Len: 0:30:0

id: 141

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A Hands-On Guide to Teaching Programming with GitHub, Travis CI, and Python

Gregory M. Kapfhammer

A Hands-On Guide to Teaching Programming with GitHub, Travis CI, and Pyth

# Gregory M. Kapfhammer

start: **11:15**

end: **11:45**

Len: 0:30:0

id: 141

set page 12 of 58

Smart and Simple Data Driven Hydroponic Sensing Applications Using Python, Flask & Raspberry Pi

Bethany Poulin

Smart and Simple Data Driven Hydroponic Sensing Applications Using Python

# Bethany Poulin

start: **12:00**

end: **12:30**

Len: 0:30:0

id: 141

set page 13 of 58

Exploration of Neural-Gestural Interfaces for the Control of Robots

Rebecca Oet, Melissa Kazazic

Exploration of Neural-Gestural Interfaces for the Control of Robots

Rebecca Oet, Melissa Kazazic

start: 14:00

end: 14:45

Len: 0:45:0

id: 142

set page 14 of 58

Making Games

Piper Thunstrom

# Making Games

# Piper Thunstrom

start: **15:00**    end: **15:30**

Len: 0:30:0

id: 142

set page 15 of 58

Generating Music with Python and FoxDot

Jessica Garson

Generating Music with Python and FoxDot

# Jessica Garson

Veyepar: TalkSigns.rfxml

start: **15:45** end: **16:15**

Len: 0:30:0

id: 142

set page 16 of 58

Egad! How Do We Start Writing (Better) Tests?

Andrew Knight

Egad! How Do We Start Writing (Better) Tests?

# Andrew Knight



start: **16:30**    end: **17:00**

Len: 0:30:0

id: 142

set page 17 of 58

Automated Regression Testing with Splinter and Jupyter

Jace Browning

Automated Regression Testing with Splinter and Jupyter

# Jace Browning

start: **10:30**    end: **11:00**

Len: 0:30:0

id: 141

set page 18 of 58

Reproducible Environments for Reproducible Results

Dana Walker, Bihan Zhang

Reproducible Environments for Reproducible Results

# Dana Walker, Bihan Zhang

start: **11:15**

end: **11:45**

Len: 0:30:0

id: 141

set page 19 of 58

The Modern Command-Line Tool Stack: Pipenv, Click, and Friends

Matt Behrens

The Modern Command-Line Tool Stack: Pipenv, Click, and Friends

# Matt Behrens

start: **12:00**    end: **12:30**

Len: 0:30:0

id: 141

set page 20 of 58

Customizing Sphinx: Simple, Normal, and Hard

Paul Everitt

Customizing Sphinx: Simple, Normal, and Hard

# Paul Everitt

start: 14:00

end: 14:45

Len: 0:45:0

id: 141

set page 21 of 58

Give Feedback Fearlessly

Aisha Blake

# Give Feedback Fearlessly

# Aisha Blake

start: **15:00**    end: **15:30**

Len: 0:30:0

id: 142

set page 22 of 58

Inside the Cheeseshop: How Python Packaging Works

Dustin Ingram

Inside the Cheeseshop: How Python Packaging Works

# Dustin Ingram

start: **15:45**

end: **16:15**

Len: 0:30:0

id: 142

set page 23 of 58

Building a Twitter Metadata Scraper: Learnings from Working with a New Twitter API

Elizabeth Wehner

Building a Twitter Metadata Scraper: Learnings from Working with a New Twitt

# Elizabeth Wehner

start: **16:30**

end: **17:00**

Len: 0:30:0

id: 142

set page 24 of 58

Conversational Interfaces for Chatbots and Artificial Intelligence

Don Holloway

Conversational Interfaces for Chatbots and Artificial Intelligence

# Don Holloway



start: **10:30**    end: **11:00**

Len: 0:30:0

id: 141

set page 25 of 58

Guide to Software Engineering for Visually Impaired

Abrar Sheikh

Guide to Software Engineering for Visually Impaired

# Abrar Sheikh

start: **11:15**

end: **11:45**

Len: 0:30:0

id: 141

set page 26 of 58

Playtime in the Dunders: Mastering Python with Misfit Objects

Eric Appelt

Playtime in the Dunders: Mastering Python with Misfit Objects

# Eric Appelt

start: 12:00

end: 12:30

Len: 0:30:0

id: 141

set page 27 of 58

Advanced Pickle Security

Ivh

# Advanced Pickle Security

# Ivh

start: **14:00**

end: **14:45**

Len: 0:45:0

id: 142

set page 28 of 58

How to Build a Plan to Migrate to Python 3

Philip Semanchuk

How to Build a Plan to Migrate to Python 3

# Philip Semanchuk

start: **15:00**

end: **15:30**

Len: 0:30:0

id: 142

set page 29 of 58

You Don't Need That!

Christopher Neugebauer

# You Don't Need That!

# Christopher Neugebauer

start: **15:45** end: **16:15**

Len: 0:30:0

id: 142

set page 30 of 58

Serverless Anywhere, Including On-Prem

Don Schenck

Serverless Anywhere, Including On-Prem

# Don Schenck

start: **16:30**

end: **17:00**

Len: 0:30:0

id: 142

set page 31 of 58

Tracking the International Space Station in Django with Redis-Queue and RQ Scheduler

Samuel Agnew

Tracking the International Space Station in Django with Redis-Queue and RQ :

# Samuel Agnew

start: **10:30**    end: **12:30**

Len: 0:120:0

id: 141

set page 32 of 58

Natural Language Processing in Python

Alice Zhao

Natural Language Processing in Python

# Alice Zhao



start: **15:00** end: **17:00**

Len: 0:120:0

id: 142

set page 33 of 58

A Beginner's Guide to Tackling Recursion

Al Sweigart

A Beginner's Guide to Tackling Recursion

# Al Sweigart

start: 11:30

end: 11:40

Len: 0:10:0

id: 141

set page 34 of 58

Sunday Welcome

Dave Forgac

# Sunday Welcome

# Dave Forgac

start: **11:40**

end: **12:30**

Len: 0:50:0

id: 141

set page 35 of 58

Now is better than Never: What the Zen of Python can teach us about Data Ethics

Lorena Mesa

Now is better than Never: What the Zen of Python can teach us about Data Et

# Lorena Mesa

start: **12:45**

end: **13:15**

Len: 0:30:0

id: 141

set page 36 of 58

Penetration Testing The Dev Interview: Attacks to Ace Interviews and Defenses to Build Better Teams

Wes Winham

Penetration Testing The Dev Interview: Attacks to Ace Interviews and Defense

# Wes Winham

start: **13:30**

end: **14:00**

Len: 0:30:0

id: 141

set page 37 of 58

How I Learned to Code with My Dad

Alexander Preston, Hank Preston

How I Learned to Code with My Dad

Alexander Preston, Hank Preston

start: **14:15**

end: **14:45**

Len: 0:30:0

id: 142

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A Son, a Father, and a Computer - How I'm Using Tech to Ease the Suffering of my Dying Father

Greg Svoboda

A Son, a Father, and a Computer - How I'm Using Tech to Ease the Suffering of my Dying Father

# Greg Svoboda

start: **15:15**    end: **16:00**

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id: 142

set page 39 of 58

Useful Python Libraries for Network Engineers

Hank Preston

Useful Python Libraries for Network Engineers

# Hank Preston

start: **16:15**    end: **16:45**

Len: 0:30:0

id: 142

set page 40 of 58

Pandas on Jupyter: Improving Your Data Analysis Workflow

Nick Macro

Pandas on Jupyter: Improving Your Data Analysis Workflow

# Nick Macro



start: **17:00**

end: **18:00**

Len: 0:60:0

id: 142

set page 41 of 58

Sunday Lightning Talks

Dave Forgac

# Sunday Lightning Talks

# Dave Forgac

start: **12:45** end: **13:15**

Len: 0:30:0

id: 141

set page 42 of 58

An Intuitive Grasp of RegEx's in Python

Tom Fetherston

An Intuitive Grasp of RegEx's in Python

# Tom Fetherston

start: **13:30** end: **14:00**

Len: 0:30:0

id: 141

set page 43 of 58

Python in Serverless Architectures

Daniel Lindeman

Python in Serverless Architectures

# Daniel Lindeman

start: **14:15** end: **14:45**

Len: 0:30:0

id: 142

set page 44 of 58

Containers Without the Magic

Vince Salvino

# Containers Without the Magic

# Vince Salvino

start: **15:15** end: **16:00**

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id: 142

set page 45 of 58

Cheating on Your Math Homework with SymPy

John Cassidy

Cheating on Your Math Homework with SymPy

# John Cassidy

start: **16:15**    end: **16:45**

Len: 0:30:0

id: 142

set page 46 of 58

Solving an NP-Hard Problem for Fun and Profit

Raymond Chandler III

Solving an NP-Hard Problem for Fun and Profit

# Raymond Chandler III

start: **12:45** end: **13:15**

Len: 0:30:0

id: 141

set page 47 of 58

Python, Robotics, OpenCV and Vision

Robert Seward

Python, Robotics, OpenCV and Vision

# Robert Seward

start: **13:30**

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id: 141

set page 48 of 58

Build GUIs with Python and Glade

Terry Howald

Build GUIs with Python and Glade

# Terry Howald



start: **14:15**

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Len: 0:30:0

id: 142

set page 49 of 58

Duck Typing Is For The Birds

Brad Hurley

# Duck Typing Is For The Birds

# Brad Hurley

start: **15:15**    end: **16:00**

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id: 142

set page 50 of 58

Distributed Software (with Python)

Alexandru Barbur

Distributed Software (with Python)

# Alexandru Barbur

start: **16:15** end: **16:45**

Len: 0:30:0

id: 142

set page 51 of 58

Oh the Places You'll Go to Find Memory Leaks

Ilya Gotfryd

Oh the Places You'll Go to Find Memory Leaks

# Ilya Gotfryd

start: **12:45** end: **13:15**

Len: 0:30:0

id: 141

set page 52 of 58

Community - From the Inside Out

Yarko Tymciurak

Community - From the Inside Out

# Yarko Tymciurak

start: **13:30**

end: **14:00**

Len: 0:30:0

id: 141

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Auditing Your Site for Accessibility: Now What?

Kat Passen

Auditing Your Site for Accessibility: Now What?

# Kat Passen

start: **14:15**

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Len: 0:30:0

id: 142

set page 54 of 58

CSS as a Service: Maintaining Style

Shay Howe

CSS as a Service: Maintaining Style

# Shay Howe

start: **15:15**    end: **16:00**

Len: 0:45:0

id: 142

set page 55 of 58

Bit Splotches: Dot Matrix Printing with Python

Thomas Winningham

Bit Splotches: Dot Matrix Printing with Python

# Thomas Winningham

start: **16:15**    end: **16:45**

Len: 0:30:0

id: 142

set page 56 of 58

Creating an IoT Baseball Scoreboard with Python

Christian Wyglendowski

Creating an IoT Baseball Scoreboard with Python

# Christian Wyglendowski



start: 12:45

end: 14:45

Len: 0:120:0

id: 141

set page 57 of 58

Welcome to CircuitPython!

Kattni Rembor

# Welcome to CircuitPython!

# Kattni Rembor

start: **15:00**    end: **17:00**

Len: 0:120:0

id: 142

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Intro to Automation Using StackStorm and Python

Nick Maludy

Intro to Automation Using StackStorm and Python

# Nick Maludy