

SGCI 4-Week Coding Institute 2018

DAY	Date	Task	8:30 - 12 noon	1:30 - 4:30 pm	6:00-8:00 pm
TH	5-Jul		Arrive ECSU campus – Lane Hall		PYTHON LAB
F	6-Jul	1st Stipend Payment	Welcome breakfast/Tech Talk	PYTHON	PYTHON LAB
SA	7-Jul			PYTHON	PYTHON LAB
SU	8-Jul			PYTHON LAB	PYTHON LAB
M	9-Jul		R and Jupyter	UNIX Shell	Gateway Architecture
T	10-Jul		R and Jupyter	UNIX Shell	Gateway Architecture
W	11-Jul	SGCI webinar 1pm	R and Jupyter	Webinar & UNIX Shell	Gateway Architecture
TH	12-Jul	Hackathon webinar	Hackathon webinar	UNIX Shell	Gateway Architecture
F	13-Jul	Rion Dooley Seminar/R	R and Jupyter	Building Lightweight Data Science Gateways and APIs in R	
SA	14-Jul	Virginia Beach Field Trip (Derek drives)			
SU	15-Jul			Gateway Architecture	Gateway Architecture
M	16-Jul		R and Jupyter	Ethical Hacking	Ethical Hacking
T	17-Jul	Hackathon webinar	R and Jupyter	Hackathon webinar	Gateway Architecture
W	18-Jul		R and Jupyter	Open Lab	Gateway Architecture
TH	19-Jul		R and Jupyter	Open Lab	Gateway Architecture
F	20-Jul		R and Jupyter		
SA	21-Jul				
SU	22-Jul	PEARC 18	PEARC 18 travel	PEARC 18 travel	Student Program Opening Activity
M	23-Jul	PEARC 18	Jupyter Notebooks Tutorial	SGCI Tutorial	Student-Mentor Dinner
T	24-Jul	PEARC 18	Modeling Contest	Modeling Contest	Poster Session
W	25-Jul	PEARC 18	PEARC 18	Student-Mentor Lunch	Science Gateways and You
TH	26-Jul	PEARC 18	Updates, Hacking Academia, Trusted CI Panel	Awards Lunch	SGCI Hackathon
F	27-Jul	Hackathon	SGCI Hackathon	SGCI Hackathon	SGCI Hackathon
SA	28-Jul		Return ECSU	Return ECSU	Return ECSU
SU	29-Jul			Open Lab	Open Lab
M	30-Jul		Poster Design	Poster Design	Open Lab
T	31-Jul		Open Lab	Final Reports	Closing Dinner
W	1-Aug	Final Stipend Payment	Checkout, final stipend, Depart for airport		

TUTORIALS AND LINKS

SGCI Webinar info	https://sciencegateways.org/engage/webinars
Unix Shell tutorial	http://www.ee.surrey.ac.uk/Teaching/Unix/index.html
Hackathon Code of Conduct	https://sciencegateways.org/engage/hackathon/hackathon-code-of-conduct

Major: Computer Science or similar. Preferred skills include: HTML, CSS, JavaScript, Python

Task Sheet: YP network, Complete UNIX worksheets,

PEARC TUTORIALS

Birds of a Feathers	bof120: Science Gateways and You
Technical Paper	stu_pap121: Establishing paradigms for modifying and developing the Workforce Development section of the Science Gateways Community Institute Site
Special Events	spec109: Science Gateways Hackathon Event
Technical Paper	pap204: The Science Gateways Community Institute at two years: early successes and lessons learned

Tutorial 1:	Monday 8:30am-12:00pm	
	Introduction to Python 3 and Jupyter Notebooks	Benedum Room
Tutorial 2:	Monday 1:30pm-5:00pm	
	Introduction to MPI Using the Interactive Parallelization Tool (IPT)	Fort Pitt Room

Mentor	Training
Jeff Wood & Derek Morris	Python & Unix
Gregory Goddard<akilgoddard@gmail.com>	Ethics
Dr. Julian Allagan	R programming & Jupyter Notebook
Jerome Mitchell	Gateway Architecture
Jeff Wood	Poster Design
Rion Dooley <dooley@tacc.utexas.edu>	Building Lightweight Data Science Gateways and APIs in R
Derek Morris & Joal Hathaway	Open Lab
Je'aime Powell & Hack Mentors	Hackathon Preparation