



Welcome to the Intro to HPC Bootcamp

Talking Logistics and Setting Expectations

Paige Kinsley

Education Outreach Lead, Argonne Leadership Computing Facility
Argonne National Laboratory

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What we'll cover in this presentation

What can you expect this week?

Who are the organizers, project leads, peer mentors, and speakers?

Emergency protocols

Communications during the bootcamp

Technical logistics

Stipends

Q Center Facilities and after-hour options

Bootcamp Conduct

Bootcamp Expectations

By the end of the week, we hope you:



Understand core concepts in high-performance computing (HPC) and artificial intelligence (AI)



Foster creativity and collaboration through project-based group work



Build confidence in your place in the fields of computing and HPC



Establish and cultivate connections with peers, mentors, and national lab staff



Identify next steps for internships, research, and careers in computational science

Week at-a-glance

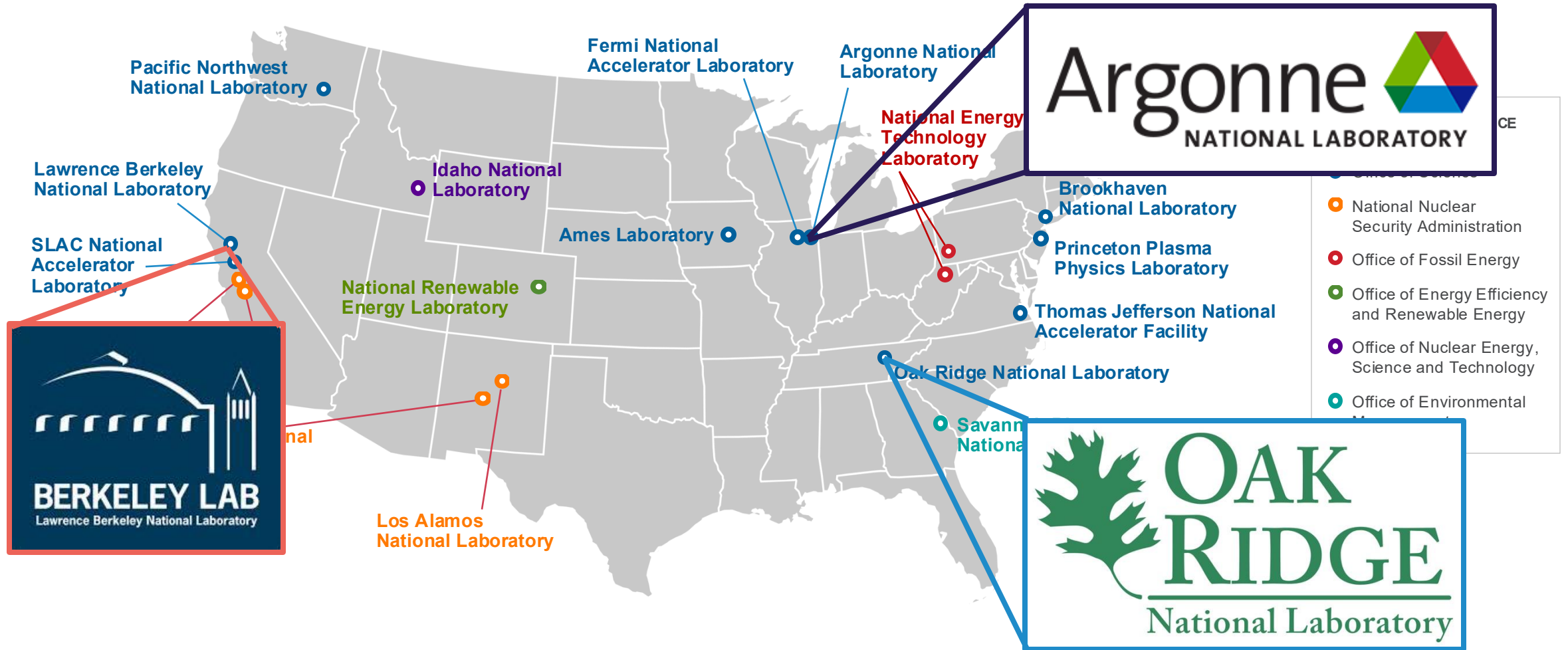


Agenda



- Keynotes on HPC and AI
- Student and Researchers Panels
- Hands-on Tutorials on foundational concepts in HPC and AI
- Day at Argonne, including tour of computing facilities at Argonne National Lab
- Final project presentations
- Trivia Night on Wednesday 7:30 – 8:30 pm in St. Charles Amphitheater
- Testimonial Recordings on Wednesday Afternoon: Participants, Peer Mentors, and Project Leads
 - Sign up if interested on Tuesday morning at registration desk

Intro to HPC Organizers and Project Leads



Bootcamp Organizers



Paige Kinsley, ANL



Wilbur Ouma, ANL



Kristy Streu, ANL



Ayesha Shiafiuddin, ANL



Deborah Stevens, ANL

Event Planning and Administrative Support



Tracy Lozano, ANL



Kathy Gorgan, ANL



Teresa Rodriguez, ANL



Kasia Salim, ANL



Jennifer Banis, ANL



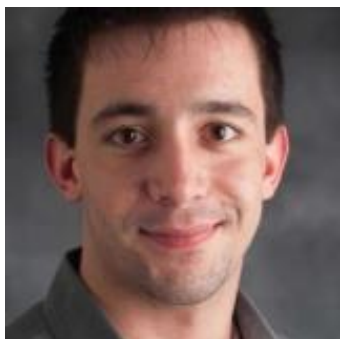
India Gordon, ANL

Project Leads

Argonne National Laboratory



Oak Ridge National Laboratory



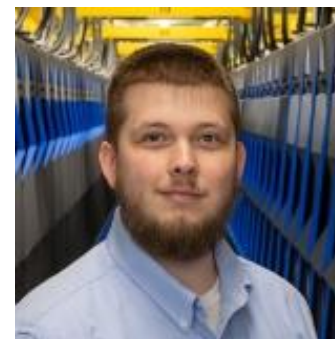
Sam Foreman



Murat Keçeli



Álvaro Vázquez-Mayagoitia



Thomas Fillers



Nrushad Joshi



Suzanne Parete-Koon

Lawrence Berkeley National Laboratory



Lipi Gupta



Rebecca Hartman-Baker



Helen He



Charles Lively

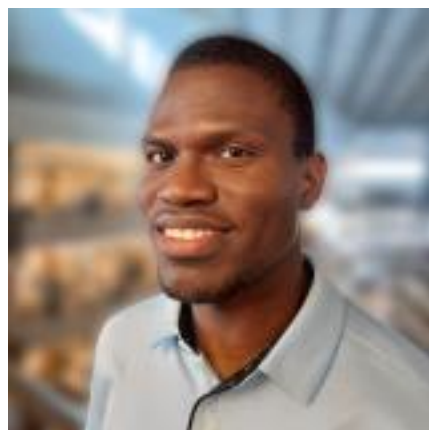


Kelly Rowland

Peer Mentors



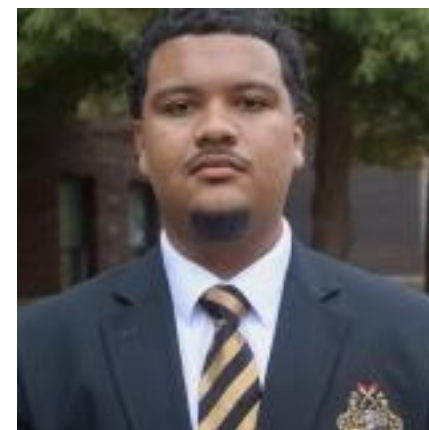
Alexis Anderson



Oluwaseun Ajayi



Samira Begum



Ashton Cartwright



Gladys Chen



Carmen Gonzalez
Torres



Pierre Harbin

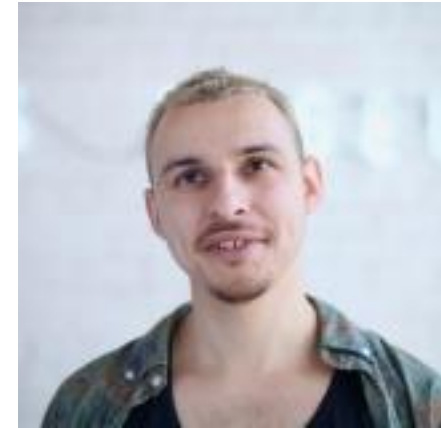
Peer Mentors



Amy Huang



Nicky Ishaak



Rene Montelongo



Jose Rodriguez
Rios



Lilly Toma



Wiktorina Zielinksa

Keynote and Tutorial Speakers



Mike Papka, ANL



Kevin Brown, ANL



Alexander Pearson,
University of Chicago



Rebecca Hartman-
Baker, LBNL



Kristy Streu, ANL



Wilbur Ouma, ANL

Panelists

Student Intern Panel



Shyam Sankaran



Snigdaa Setheram



Marija Stojanoska



Aymen Yousef

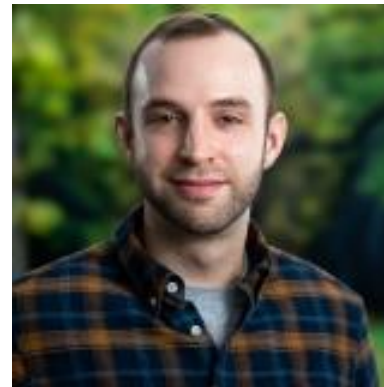
Researcher Panel



Corey Adams



Joseph Frimpong



Wilkie Olin-
Ammentorp



Jini Ramprakash

Bootcamp Logistics

WiFi Access

- Q Basic
 - Connect without password
- Q Premium (faster)
 - Password: qconnect
 - Access code: Argonne25

Q Premium info will be posted and pinned in the #general channel in Slack



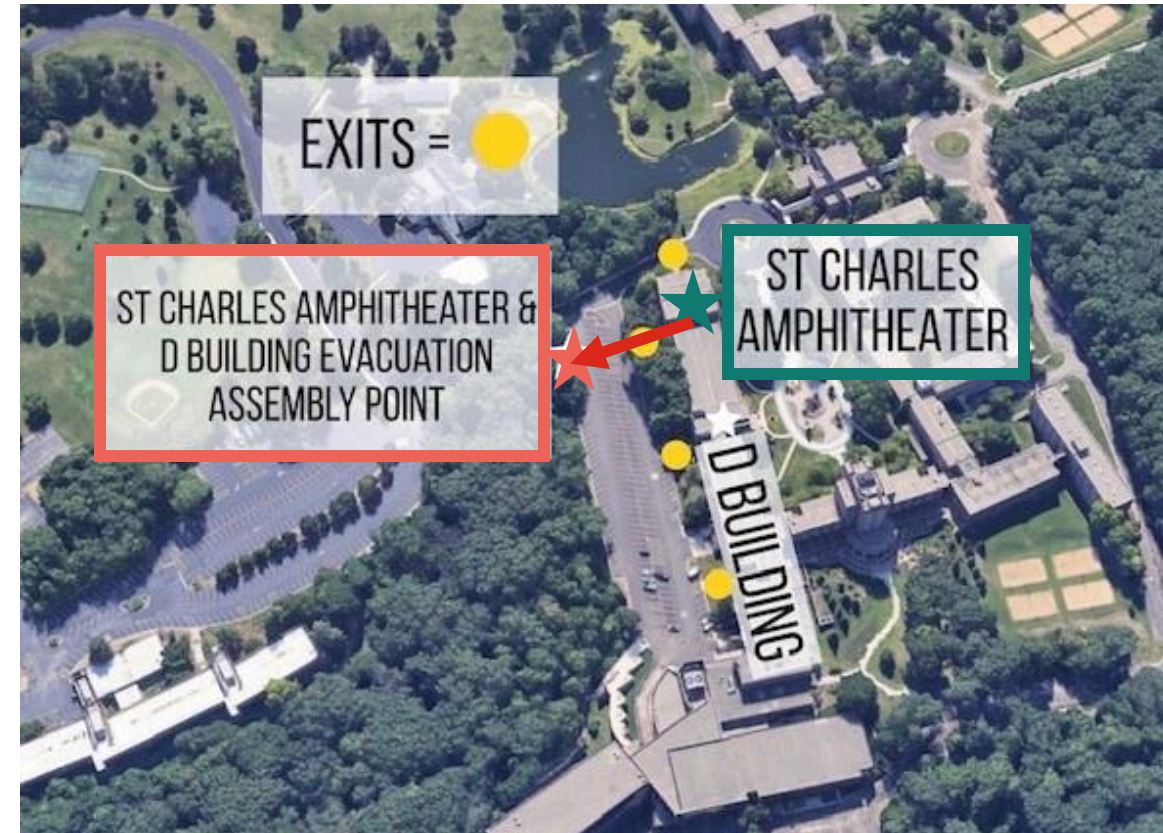
In case of emergency

Life-threatening emergency: Dial 911

Evacuation: Assemble across the parking lot

Tornado: Assemble in St Charles Ballroom 7, across from amphitheater

Bootcamp Roll Call: In case of evacuation, attendees will be texted and asked to confirm safety and report their location



Reaching out for non-emergencies

- Direct message on Slack or call, if needed:
 - Paige Kinsley: 630-252-1012
 - Kristy Streu: 630-252-1531
 - Wilbur Ouma: 630-252-1513



Paige Kinsley, ANL



Wilbur Ouma, ANL



Kristy Streu, ANL

Organizer phone numbers will be posted and pinned to #general channel in Slack. Add to your phone contact list as needed

Using Slack during the bootcamp

- Any announcements will be made on the **#general** channel
- Technical difficulties? Ping **#technical-help**
 - Access to Perlmutter supercomputer
 - WiFi problems
 - Jupyter notebook issues
- Join your project Slack channel
 - Browse channels and search for #project-Xa/b (ex: **#project-1a**)
 - Communicate and coordinate with groupmates, project leads, and peer mentors
- Anything fun? Post in the **#random** channel
 - Pets
 - After-hours activity organization



Technical logistics

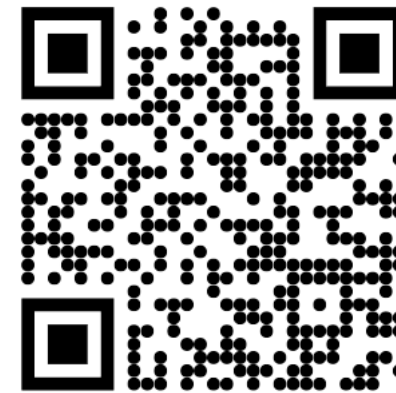
- Perlmutter access
 - Jupyter notebooks for tutorials and projects will be run on Perlmutter Jupyter Hub
 - Issues with NERSC account or Jupyter Hub? Reach out of **#technical-help** on Slack
- Bootcamp Git Hub Repository
 - Stores bootcamp materials for tutorials and projects
- Hardware computer problems?
 - Talk to organizers; we have back ups



Helen He



Kelly Rowland



Git Repo

Stipends

- Daily sign-in at Registration Desk
 - Let organizers know if you can't make it to sessions due to any illness or other emergencies
- Check email for next steps
 - Sharing bank information with Argonne
- Organizers will share more details about payout timeline at end of week

Q Center Facilities

- Closest Bathroom: just outside St Charles Amphitheater
- Break areas: stocked 8:30 am – 4:30 pm every day
 - AM and PM breaks: snacks, coffee, tea, and various soft drinks
- Quiet Room ("Tranquility Room")
 - Level 1, just above Q Dining
- Prayer Room
 - Down the hall from the Front Desk in A99
- Fitness Center
 - Lower Level 1 of Building A
- Laundry facilities
 - Lower Level 1 of Building A

After-hours Activities

- Bootcamp Trivia Night – Wednesday @ 7:30 pm in St Charles Amphitheater (prizes!)
- Board games are in St Charles Ballroom 7 (across from amphitheater) or in board game alcove on floor above the dining room
- Bike rental from Front Desk
- Fox Bar: pool, darts, giant Scrabble
 - Bingo – Tuesday @ 8pm
 - Karaoke – Wednesday @ 8 pm
- Q Center Movie night - Tuesday @ 8:30 pm

Bootcamp Conduct and Expectations

Bootcamp Conduct: Building a welcoming bootcamp experience for all

- Listen Respectfully
- Listen to understand
- Criticize ideas not individuals
- Commit to learning not debating
- Comment to share information not to persuade
- Avoid assumptions



Build group-specific guidance at the start of the first project breakout session this afternoon.

“Guidelines for Discussing Difficult or High-Stakes Topics.” CRLT, crlt.umich.edu/publinks/generalguidelines.

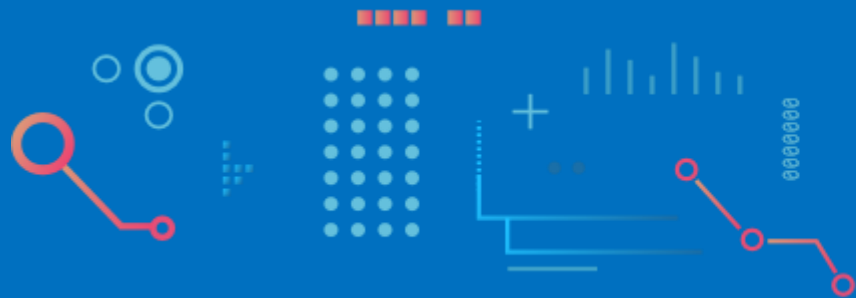
Bootcamp Expectations



- **No one is expected to be an expert.** We are here to learn.
- **Support each other in learning** – take advantage of other people’s knowledge and background
 - Groups are diverse in skill level and field of study
- **Show up ready to participate.** More ideas means bigger connections.
- **Failure is an opportunity to grow and learn**
- **There are no grades!** There is no “correct” amount of progress on projects.

Questions?

Agenda



Argonne
Intro to
HPCC
Bootcamp

