

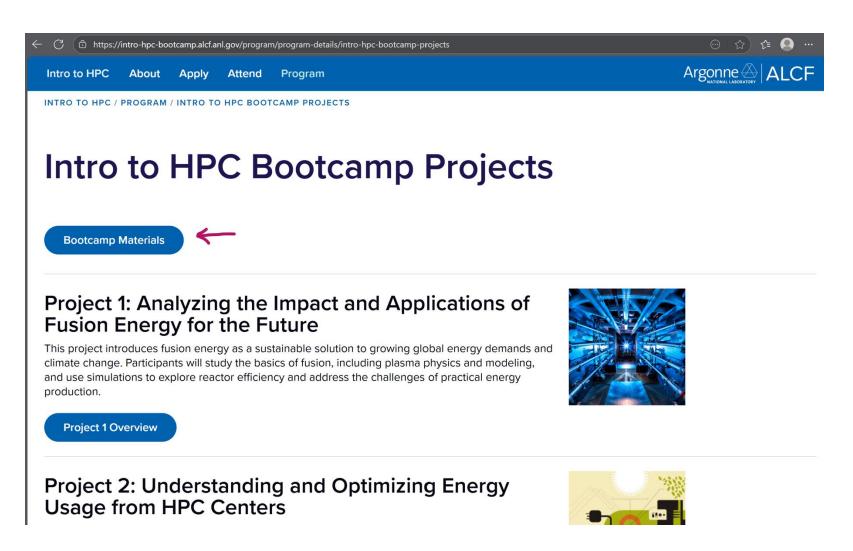
Bootcamp Projects Overview

Paige Kinsley

Education Outreach Lead, Argonne Leadership Computing Facility Argonne National Laboratory

August 11, 2025

Where are project materials?





GitHub Repo



Project 1: Analyzing the Impact and Applications of Fusion Energy for the Future



Charles Lively Peer Mentors



Rebecca Hartman-Baker



Helen He



Lipi Gupta



Kelly Rowland



Amy Huang



Jose Rodriguez Rios

Group 1A	Group 1B		
Aly Ayyob	Keioko Haynes		
Joy Wang	Maria Jimenez Guillermo		
Caleb Morris	Sunshine Pang		
Daisy Diaz-Garcia	Khuaja Sediqi		
Emma Ronai	Masia Wisdom		
Peer Mentors			
Jose Rodriguez - 1A	Amy Huang - 1B		

Project 2: Understanding and Optimizing Energy Usage from HPC Centers



Charles Lively
Peer Mentors



Rebecca Hartman-Baker



Helen He



Lipi Gupta



Kelly Rowland



Carmen Gonzalez Torres



Group 2A	Group 2B		
Jake Boadilla	Daniyal Khokhar		
Juvenal Barajas	Gabriela Rodriguez		
Kirtan Patel	Isis Reveron		
Samantha Dertouzos	Jorge Lopez Leon		
Mereum Fernando	Natalia Mena-Santiago		
Peer Mentors			
Lilly Toma - 2A	Maricarmen Gonzalez Torres - 2B		

Lily Toma



Project 3: The Anatomy of a Power Outage

Project Leads



Thomas Fillers

Peer Mentors



Wiktoria Zielinska



Suzanne Parete-Koon



Pierre Harbin

Group 3A	Group 3B	
Bianca Udeogu	Joseph Udani	
Elijah Potter	Quadri Taiwo	
Gleniarys Rivera Torres	Leen Abdel Karim	
Justin Dunbar	Valeria Gonzalez	
Kayla Bentley	Nick Chaiyachakorn	
Peer Mentors		
Pierre Harbin - 3A	Wiktoria Zielinska - 3B	

Project 4: Short-Term Load Forecasting Using Machine Learning



Nrushad Joshi
Peer Mentors



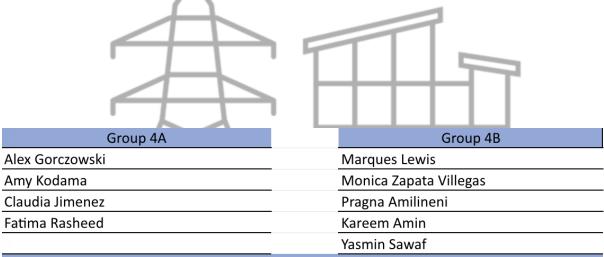
Gladys Chen



Suzanne Parete-Koon



Nicky Ishaak







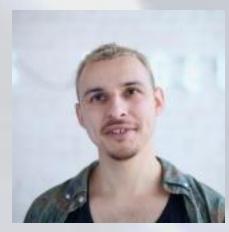
Project 5: Large Language Models for Science

Project Leads



Sam Foreman

Peer Mentors



Rene Montelongo

Group 5
Bhumi Choudhary
Fadzai Zivanai
Fatima Mora Garcia
Jason Griffith
Adam Trojak
Yumna Hussain
Peer Mentors
Renee Montelongo - 5

Project 6: Evaluating Large Language Models for HPC Education

Project Leads



Group 6A	Group 6B	
Kevin Tchoffa	Milagros Mendez	
Keegan Krawczyk	Sadhana Jamkatel	
Michael Manriquez	Utkarsh Rai	
Maria Jaiyeola	XUEJUN SWENSON	
Leena Nawaz	Bret Alan Porter	
Peer Mentors		
Alexis Anderson - 6A	Samira Begum - 6B	

Murat Keceli

Peer Mentors



Samira Begum



Oluwaseun Ajayi



Alexis Anderson

Project 7: Computational Design of Low-Cost/High-Efficiency Solar Cells



Alvaro Vasquez-Mayagoitia

Peer Mentors



Ashton Cartwright

Group 7
Amelia Mikos
Mohammad Altiwainy
Patricia Ladipo
Sophia Johnson
Terry Nguyen
Peer Mentors
Ashton Cartwright 7

Project Breakout Room Assignments

- Project 1a and 1b: D L203
- Project 2a and 2b: D L204
- Project 3a and 3b: D L105
- Project 4a and 4b: D L107
- Project 5: D L205
- Project 6a and 6b: St Charles Ballroom 7
- Project 7: D L109

