HACKHPC@ ADMI25 HACKATHON

Team Project Plans

June 23, 2025

SGX3
Extend. Expand. Exemplify.

Omnibond®

ADMI

HackHPC
Hackathons and Codeathons

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hackhpc.github.io/admi25

Hard To Cache

AD MI SGX3 omnibond

SGX3@Hackathon-25 ~ $: <charli_brooks> <silas_erving> <chante_ray> <seth_mack>

HARD TO CACHE

<song_title>: flames
<writer>: van xo vibes
<song_link>: https://soundcloud.com/van-xo-vibes/flames

Team "Hard To Cache"

Silas Erving: Research & Scorecard Lead

Chante: Code & Reproducibility Engineer

Charli: Web & Poster Designer

Seth: Presentation & Project Coordinator

Project Execution Plan

Evaluate reproducibility of 2023 ISCE + 2024 Supercomputing papers by June 27, 2025.

1

Paper Analysis

Silas: Score metrics 1-5, justifications.

2

Code Testing

Chante: Environment setup, execution logs.

3

Website/Poster

Charli: Embed scorecard visuals.

4

Presentation

Seth: Consolidate deliverables.

5

Final Submission

Team: GitHub repo, Gateways proof.

Timeline: Kickoff ▶ Testing ▶ Scoring ▶ Polish ▶ PRESENT

🎨 Charli – Web & Poster Designer

Role Focus: Craft the visual identity of our project across web and print platforms.

Core Responsibilities

- Design and launch a project website with embedded scorecard visuals
- Create a print-ready poster with aligned color scheme, font hierarchy, and content structure
- Collect and format team bios, photos, and profile links for inclusion
- Visualize and embed the Scorecard Prototype (see below) in both the website and poster
- Maintain version control and visual consistency across deliverables

Personal Timeline

DateTask

June 23

Attend kickoff, receive scorecard format & branding notes

June 24

Draft website layout, collect team photos and profile links

June 25

Design poster mockup, start embedding early scores and graphics

June 26

Finalize site and poster, QA design, ensure alignment with team plan

June 27

Support visual elements in final presentation and Q&A

🔨 Tools and Resources

Purpose	Tool(s)
Website	GitHub Pages, Terminal (Python3), HTML/CSS, Google Sites
Poster Design	Canva or Google Slides (PDF export)
Visuals & Embeds	Google Sheets (scorecard screenshots)
Team Info Collection	Google Forms or Google Docs

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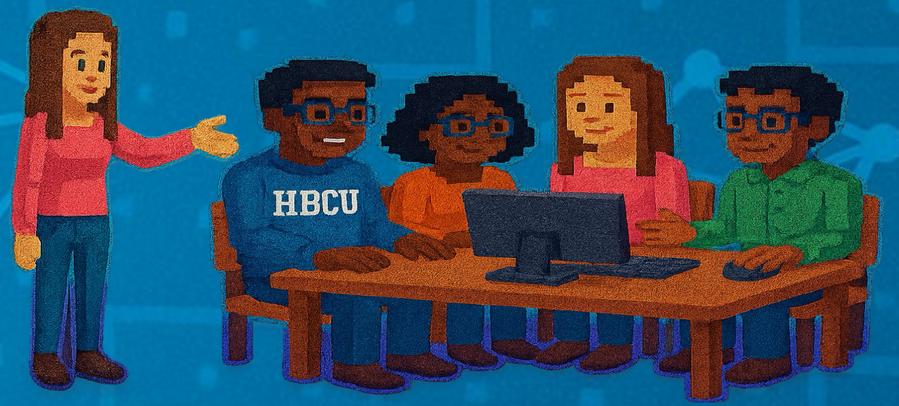
CodeRunners



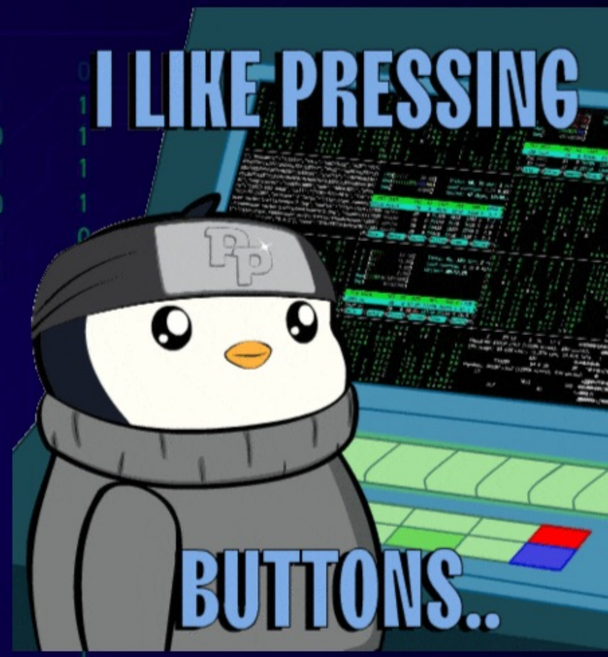
ADMI SGX3 Omnibond

CodeRunners

CODE RUNNERS

Team Members Name

- Iyana Jones
- Arghavan Noori
- Aaliyah Lockett
- Copernic Mensah
- Holy Agyei



https://on.soundcloud.com/u1r553T8KodM0Lj0j

CodeRunners Key Milestones

01

Team formation, IEEE paper review, role assignment, GitHub setup with README and project goals.

Deliverables:

Intro slide, README.md, team roles, initial repo push.

02

Identify code/data, test reproducibility environment, begin small-scale runs.

Deliverables:

Artifact notes, initial tests (e.g., code summarization benchmark), logging results.

03

Define reproducibility metrics, evaluate 2–3 model-task pairs, log gaps or bugs.

Deliverables:

Reproducibility scorecard (draft), run logs, annotated test outputs.

04

Website/dashboard

Deliverables:

Streamlit/Flask portal with charts, Poster to display reproducibility analysis and polish poster.

05

Submit poster, deliver final presentation, and commit all documentation.

Deliverables:

Final poster + presentation deck, updated repo, portal link or local deployment.

Team Roles

& Responsibilities

Iyana | Lead

Tracks goals, edits README, manages daily progress, ensures overall project alignment.

Arghavan | Model Analyst

Compares model outputs, analyzes results, and scores reproducibility gaps.

Copernic | Presenter

Creates compelling visuals for the poster and presentation slides.

Aaliyah | Experiment Engineer

Sets up tasks, configures environments, and runs models for evaluation.

Holy | Portal Builder

Develops the interactive dashboard or website for the reproducibility scorecard and visualizations.

Github

https://github.com/SGX3CodeRunners/RealWorldBugs.git

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HackStreet Boys

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Future Design
penguinmusi
https://pixabay.com/music/future-bas

HackStreet Boys: Project Overview & Team Roles

Team Members & Roles:

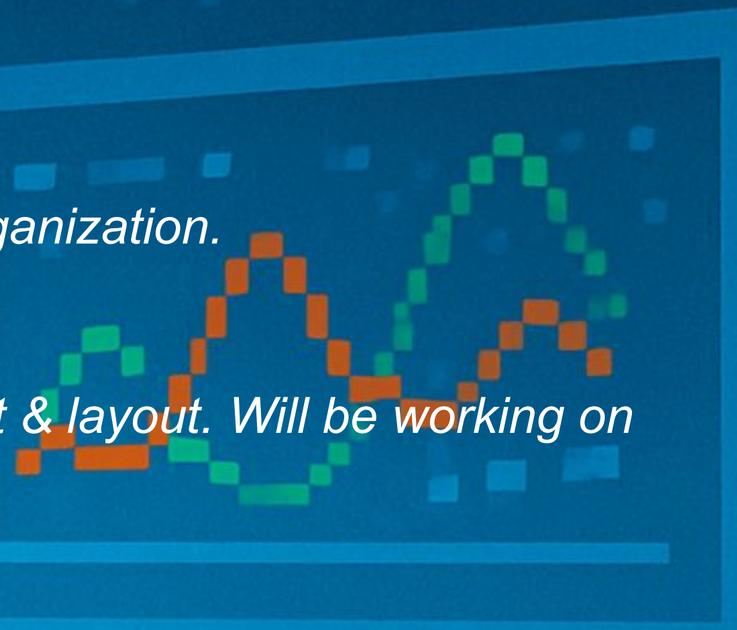
- **Julian** – GitHub & Documentation Lead
  Sets up repo, manages `README.md`, folder structure, and code organization.

- **Ejay** – Poster & Presentation Lead
  Designs project poster and final slide deck; supports portal content & layout. Will be working on Flask as well.

- **Zion** – Paper Analyst
  Selects target papers, evaluates reproducibility criteria, leads scorecard writing.

- **Dave** – Code Runner
  Attempts to reproduce paper results, logs code, dataset, and hardware issues.

- **Yari** – Communications & Submission Manager
  Coordinates daily check-ins, manages submission proof, team info, and final review.



5-Day Plan

Day	FOCUS	KEY OUTPUTS
MON	Kickoff & Setup	Repo setup, roles assigned, paper shortlist
TUE	Paper Deep Dive & Planning	Paper selected, access tested, plan slides
WED	Scorecard Development & Testing	JSON/CSV file, initial portal layout, graph
THUR	Portal Build & Poster Finalization	Site live, poster PDF, submission proof
FRI	Final Presentation & Deliverables Wrap-up	Slides PDF, final push to GitHub, rehearsal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Wiresharks

Team Members Name

- Auiana D’Avilar
- Ayinde Hooks
- Howard “Shiloh” Ames
- Ryan Grimes

Hands Up, Buttercup
Neon Beach
https://app.soundstripe.com/songs/6425

Role	Responsibilities	Individual	Assignments
Coder	Reproduces the original code, sets up the environment, runs the model/tools	Shiloh	• Try to install dependencies, run a sample part of the code • Run the main experiments/analysis from the paper • Compare any results with what the paper shows • Record any differences or blockers • Rate reproducibility from 1–5
Scribe	Takes notes during meetings, tracks what worked/didn't, documents steps & errors	Ayinde	• Read the paper and understand the project scope • Skim the GitHub repo: what code/data is included? • Note challenges (e.g., outdated libraries, missing data) • Document every step the team takes (especially issues or fixes) • Support coder in noting differences or blockers
Portal builder	Builds the webpage or GitHub Pages site to host your findings + progress	Ryan	• Set up GitHub Pages or a well-organized README • Test the portal to make sure everything works • Make sure the repo is clean, accessible, and showcases your work
Slide Guru	Prepares final presentation slides and visuals to explain your journey	Auiana	• Start making slides early (what worked, what didn’t, what you learned) • Polish slides for presentation • Help with practicing the presentation and telling the story clearly

Day 1: Kickoff	• Assign roles • Read the paper and understand project scope • Skim the GitHub repo: what code/data is included?
Day 2: Environment Setup	• Try to install dependencies, run a sample part of the code • Note challenges (e.g., outdated libraries, missing data) • Scribe documents every step
Day 3: Reproduction Attempt	• Run main experiments/analysis from paper • Compare any results with what the paper shows • Record any differences or blockers
Day 4: Build Deliverables	• Portal Builder sets up GitHub Pages or a clean README • Slide Guru starts touching up slides (what worked, what didn't, what we learned)

Day 4b: Final Touches + Presentation	• Test the portal
	• Polish slides
	• Practice presentation
	• Rate reproducibility from 1–5:
	  ○ 1 = Impossible
	  ○ 3 = Doable with moderate effort
	  ○ 5 = Plug and play