

MEMORANDUM

From: MIDN 1/C  Izabella Peralta

To: USNA Internship Program Coordinator

Via: (1) CAPT Stewart Blair
(2) Department Internship Coordinator

Subj: INTERNSHIP AFTER ACTION REPORT (AAR) FOR SUMMER 2023

A. Summary Information

1. Internship details

Organization and Location: Navy DSRC

Dates: 29JUN23 - 21JUL23

Host Mentor's full name: Stewart Blair

Host Mentor's professional title: USNA Professor

Host Mentor's phone# and e-mail: 410-293-5129 sblair@usna.edu

USNA Faculty POC for the internship: CAPT Blair

B. Technical

1. Title of Project: HPC Internship

2. Objectives of Project:

- Learn how to use HPC systems and learn their capabilities
- Gain greater proficiency w/ various programming languages
- Develop "Software Carpentry"
- Make own individual project (LipNet: AI-based lip reading for closed captioning)

Subj: INTERNSHIP AFTER-ACTION REPORT FOR SUMMER 2023

B. Technical (continued)

3. Approach

- 1) Figureout project w/ HPC system
- 2) Make and run code on Jupyter Notebook
- 3) Adjust code for HPC capability
- 4) Figure Out proper virtual environment
- 5) Adjust code to use facial detection

4. Accomplishments and My Contributions to the Project

- Project runs model
- Code that can use facial detection

5. Publications and/or Presentations

N/A

C. Administrative

- Technical Issure could nto access USNA email during the day
- Lori White Helped a lot with figuring out the movement order after my cruise date got changed

Subj: INTERNSHIP AFTER-ACTION REPORT FOR SUMMER 2023

D. Evaluation

1. Relevance

- Learn about HPC capabilities
- Talked w/ Admiral Piret
- Celebrated 99th Aerographers Mates Birthday

2. Impact

- Learn about HPC Systems
- Learn about METOC community

3. Level of Interest/Challenge

- Doing own independent project meant that you could find something you were interested in and also could challenge oneself as much as you want
- Because of length of internship you need to figure out a project that can be accomplished during the time

Subj: INTERNSHIP AFTER-ACTION REPORT FOR SUMMER 2023

E. Recommendations

- Technical Issue w/ accessing USNA email
- This internship should be available for computer science, computer engineering, oceanography majors

By digitally signing below, the author verifies that the internship host mentor has reviewed and approved the technical information provided in paragraphs B1 through B5. After signature, send this form via e-mail to the USNA Faculty POC for this internship. Hard copies are not required. If difficulties are experienced with the digital signature, e-mail the completed AAR and then digitally sign it as soon as possible after returning to USNA.

MIDN

USN