REE/CprE/SE 491 WEEKLY REPORT sdmay25-29

September 3, 2024 – September 19, 2024

Group number: 29

Project title: Implementation of the ABC using modern technology

Client &/Advisor: Professor Alexander Stoytchev

Team Members/Role: Connor Hand - Client Interaction and Team Organization, William Mayer - Meeting Time Tracking and Note Taking, Peter Hurd / Noah Butler / Zachary Scurlock - Testing and Individual Component Design, Peter Hurd - Budget Handling

- **Weekly Summary**

Stoychev assigned us to gather as many resources on the ABC design as possible. We found as much information as possible and compiled the pdfs into a channel of our Discord server. William made a software simulation of the algorithm used in the ABC computer.

- **Past week accomplishments**
  - Connor Hand: Found multiple technical documents and resources on the ABC computer.
  - Noah Butler: Searched for additional technical documents on the ABC
  - Peter Hurd: Searched in Library Special Collections for some primary resources. Found a useful KiCad PCB design guide for future reference.
  - Zach Scurlock: Found useful resources on the ABC computer
  - William Mayer: Gaussian Algorithm. Wrote the Linear Systems algorithm in Java. Learned the forwards and backwards steps in the algorithm.

- **Pending issues**

  No current issues. Just getting into the groove of the semester.

- **Individual contributions**

NAME	**Individual Contributions** *(Quick list of contributions. This should be short.)*	**Hours this week**	**HOURS cumulative**
Connor Hand	Research	3	3
Zach Scurlock	Research	2	2
Peter Hurd	Research	3	3
William Mayer	Gaussian Algorithm	2	2
Noah Butler	Research	3	3

- **Plans for the upcoming week**

Everyone is still gathering resources and reading our resources. We are watching informational videos, reading a book on the computer, and taking notes.

- **Summary of weekly advisor meeting**

We looked through our resources and did some learning on the function of the ABC computer. We decided to spend another week reading the book and looking for more resources. Soon we will divide up components of the machine for us each to individually study.