

JACK KELLY

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SKILLS

Programming: Java, Python, C, Assembly

Data Analysis and Modeling: Jupyter Notebook, Pandas, Numpy, Scikit-learn, Matplotlib, Seaborn, SQL, Maple

EDUCATION

Rose-Hulman Institute of Technology – *B.S. Computer Science*

August 2021 – Present

- **Status:** Sophomore
- **GPA:** 3.0
- **Related courses:** Object Oriented Software Development, Systems Programming, Data Structures and Algorithms, Intro to Probability and Stats, Differential Equations, Computer Architecture, Database Systems
- **Anticipated minors:** Data Science

EXPERIENCE

LongBall Labs – *Lab Technician/Analyst*

June 2021 – Present

- Used proprietary hardware and technology to analyze MLB hitters' bats and help them convert fly outs to home runs
- Traveled to Guaranteed Rate Field to pick up and deliver bats to clients
- Analyzed 2022 data to determine how much of an impact LongBall Labs had on clients' success

PROJECTS

Marcel Projections Implementation

- Implemented Tom Tango's Marcel Projections for MLB hitters who played in 2022
- Used Jupyter Notebook to create 2022 projections to test accuracy and Python to create a script to get MarceIs for a user inputted year

16-bit Processor

- Worked in a group of four to create a 16-bit accumulator processor
- Wrote Verilog code to design processor that runs assembly code that our group designed