Sriram Bettagere

sriramb6@yahoo.com | +1 248-971-4636

linkedin

About Me

Technical Skills Python | C | C++ | verilog | FPGA | Cadence Virtuoso | MATLAB | ReactJS | Unix/Linux | Ruby Git | Flask | SQL | AWS

Interests Piano | Investing | Football | Golf

Education

University of Michigan **Aug. 2021 - May. 2025**

BSE, Dual Major, Computer Engineering and Computer Science, Minor in Mathematics *Ann Arbor, MI*

- Relevant Courses: Advanced Computer Architecture, Digital Integrated Circuits, Data Structures and Algorithms, Systems Design, Circuits, Signal Processing, Multivariable Calculus, Differential Equations, Linear Algebra, Discrete Math

Experience

SiriusXM **Jun 2024 - Present**

Applications and Software Engineer Intern *Farmington Hills, MI*

- Interned in the Applications engineering department. With the goal of designing and verifying installations of SiriusXM on OEM infotainment systems.
- Supported the development and validation of Android Automotive and Linux based infotainment systems. Verified the stability of SiriusXM throughout the OEMs software development cycle.
- Maintained relationships with OEMs to provide support and solutions from the early design phase all the way to production of infotaiment systems.
- Used Ruby to introduce a new data ingest feature for an internal software tool. Resulted in an increase in efficiency by 90% compared to original method of manual data input.

Gentherm **May 2023 - Aug 2023**

Hardware Engineer Intern *Northville, MI*

- Interned in the hardware engineering department. Focused on developing automotive electronics, specifically those related to climate and comfort.
- Tested heated seat ECUs, generated results while improving testing efficiency. My testing results could be used to establish pass/fail criteria for future validation to the rest of the engineering team.
- Worked on projects for OEMs such as Audi, General Motors, and Ford. For example, testing and assisting in the development of a pneumatic massage system for a car seat.

Consumers Energy **Jun. 2022 - Aug. 2022**

Electrical Engineer Intern *Adrian, MI*

- Worked with senior engineers to learn the intricacies of power distribution and the electrical grid.
- Learned hands-on design by participating in fieldwork. Employed measurement tools to take high-quality field notes.
- Utilized CAD to design new electrical installations and pole relocations.
- Incorporated the company's design guidelines into CAD designs.

Ford **Jun. 2020 - Aug. 2020**

Intern *Remote*

- Received an internship through the Ford High School Science and Technology Program (HSSTP). Learned from many engineering and business leaders throughout the company about the role of their depart- ment in making a successful product

Projects

Superscalar Out-of-Order Processor **Apr. 2024**

Verilog

- Designed an Out-of-Order N-Way superscalar processor based upon the R10000 Algorithm. Correctly processed RISC-V programs using this processor.
- Implemented and iterated the design in Verilog. Synthesized the processor to verify its functionality.
- Competed with other teams with the goal of achieving the lowest CPI.

SQL Database **Mar. 2023**

C++

- Developed a SQL-like query language that took commands such as Create, Print, Join, Generate, Select, Generate Index, etc.
- Utilized Hashmaps, Maps, and other data structures/algorithms in the process.
- Successfully completed the project, which operates in the command line interface and took SQL Commands to make and manage databases.