



Application Engineer (Intern)

Samsung Semiconductor, Inc. is a world leader in Memory and Storage technologies. We are currently looking for an Application Engineer (Intern) to join our team in San Jose, CA. The Application Engineer Intern will contribute memory and storage system research in the Memory Solutions Lab. He or she will join a team of experts in researching and developing innovative memory and storage system solutions that utilize existing and emerging technologies to add substantial value to storage systems. The ideal candidate must have a strong understanding of reuse distance analysis and computer architecture.

Responsibilities

- Implement reuse distance profiler in commodity servers and/or embedded systems.
- Compare workload characteristics.
- Analyze data reuses to propose new architecture and storage systems for more efficient systems.
- Work with team members to contribute towards prototyping efforts.
- Create new and useful IP, publish at conferences, and generate whitepapers.

Background/ Experience

- Pursuing an MS or PhD in Computer Science, Computer Engineering or related field, with focus on Computer Architecture and Systems.
- Good knowledge of data locality.
- Research and development experience with data locality.
- Prior experience with performance analysis and optimization will be a big plus.
- Track record of innovation and creativity in problem solving.

Skills

- Must be highly motivated with excellent verbal and written communication skills.
- Strong background in C/C++ programming.
- Comfortable working in a multinational environment and understands how to leverage cultural diversity.
- Inherent technical curiosity

Email resume to collegeresume@ssi.samsung.com