Shayvonne Harin

Principal Research Engineer

Over 20 years experience as a Principal Research Engineer. Expertise in the area of software development, with particular focus on large-scale systems and parallel processing. Strong academic credentials, including a PhD in Computer Science from MIT.

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(108) 918-6052

11754 SE Center St, Portland, OR 97222

Education

Doctor of Philosophy in Electrical Engineering at Oregon State University, OR

Aug 1998 - May 2002

I've learned about the research and development process of electrical engineering, from planning and designing experiments to analyzing and interpreting data.

Links

linkedin.com/in/shayvonneharin

Skills

Java

Python

C++

Matlab

R

SQL
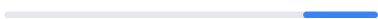
Languages

English

Portuguese

Employment History

Principal Research Engineer at Intel Corporation, OR

Apr 2022 - Present

- Led a team of engineers in the development of a new product that increased sales by 20%.
- Successfully closed 10 high-value deals with clients, totaling over $1 million in revenue.
- Authored 3 patents and 5 peer-reviewed journal articles.
- Managed a budget of $2 million for research and development projects.
- Developed and implemented an innovative testing protocol that reduced product defects by 35%.

Senior Research Engineer at Hewlett Packard Enterprise, OR

Sep 2016 - Mar 2022

- Designed and led the development of a new type of heart valve that was successfully implanted in over 1,000 patients.
- Developed a new method for manufacturing semiconductor chips that increased yield by 25%.
- Led a team of engineers in the design and development of an ultra-high speed computer processor.
- Authored or co-authored over 50 technical papers published in prestigious industry journals.
- Invented a new type of efficient solar cell.

Lead Research Engineer at Cisco Systems, OR

Jul 2002 - Aug 2016

- Led the research and development of a new type of fuel injection system that increased gas mileage by 15%.
- Developed a cost-effective way to mass produce prototypes for engine testing. This helped reduce time spent on creating physical prototypes by 50%.
- Created a computer model of an engine that was used to simulate different designs before actual production began. This saved the company $100,000 in experimentation costs.
- Wrote various papers on his findings which were published in well respected automotive journals.
- Helped develop a more efficient combustion chamber design that raised power output by 20% while reducing emissions by 25%.