Xyan Bhatnagar

Software Engineer

🌍 xyan.pro
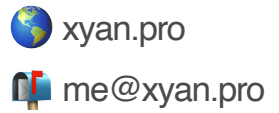📫 me@xyan.pro

Internships

Google, Fuchsia   `Fall 2019`

Worked on the Hub - a tool to debug components in Fuchsia.
Part of the Component Framework story. Written in Rust.

Google, Google Cloud Platform   `Winter 2019`

Worked on Remote Build Execution for the Windows platform.
Improved stability and performance in the Windows kernel and Docker.

Google, Android UI Toolkit   `Summer 2018`

Worked on Jetpack Compose in its exploration phase.

Google, Android Support Library   `Fall 2017`

Worked on WorkManager, a library for background work on Android.
Launched at Google I/O 2018 under Android Jetpack.
Focused on new features, ease of use and cost to system health.

Google, Internal Tools   `Winter 2017`

Created a bidding system from scratch to coordinate intern events.
Integrated with Calendar, Maps and Mail for automatic event management.

Projects

XyOS   `Coming soon`   `GitHub`

Built a 64-bit microkernel for the Raspberry Pi 3B using C and Assembly.
Added support for virtual memory, interrupts, concurrency, graphics and more.

Education

University of Waterloo

Bachelor of Computer Science, Faculty of Mathematics.
Dean's Honor List for Summer 2019, Fall 2018, Winter 2018 and Summer 2017 terms.

Interests

Embedded Systems, Kernels, Operating Systems, Distributed Systems, Networks,
Cloud Services, Containerization, Mobile Development, User Interfaces

Last updated: April 2020