

Xyan Bhatnagar

Software Engineer

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Internships

Google, Google Cloud Platform Winter 2019

Working on Remote Build Execution on the Windows platform.
Improving stability and performance in the Windows Kernel and Docker.

Google, Android UI Toolkit Summer 2018

shhhhh I worked on stuff that hasn't been announced yet.

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.
Applied Angular for web front-end and Python + App Engine for backend.

Projects

XyOS Coming soon Github

Build a 64-bit micro-kernel for the Raspberry Pi 3B using C and Assembly.
Added support for virtual memory, interrupts, serial I/O and basic peripherals.
Implementing concurrency, system calls, graphics and more.

Education

University of Waterloo Fall 2020

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

Interests

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