

Xyan Bhatnagar

Software Engineer



Internships



Google, Android Support Library Team

Worked on WorkManager in Android Jetpack announced at Google I/O 2018.

Focused on new features, ease of use and cost to system health.

Explored JobScheduler, FirebaseJobDispatcher and android-job.



Google, Internal Tools Team

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.



TextNow, Android Growth Team

Created an in-app subscription system from scratch, used by 85% of premium users.

Reduced TextNow's battery consumption on Android devices by 12% per day.

Implemented email autofill, speeding up the signup process for 830k users.

Projects



XyOS Coming soon

Build a 64-Bit kernel for the Raspberry Pi 3B using C and Assembly.

Add support for concurrency, I/O, virtual memory, user space and more.

Documented on GitHub.

Education



University of Waterloo

Candidate for Bachelor of Computer Science, Faculty of Mathematics.

Dean's Honor List for Winter 2018 and Summer 2017 terms.

Graduating in Fall 2020.

Interests

Embedded Systems, Kernels, Augmented Reality, Mobile Development, User Interfaces