Xyan Bhatnagar

Software Engineer

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Work Experience

Google, Fuchsia | Summer 2020 | | Current |

Working on System Resilience team.
Ensure that Fuchsia can survive in stressful conditions.

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.

Projects

XyOS | 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 | 2015 - 2020 |

Bachelor of Computer Science, Faculty of Mathematics.
Graduated with Dinstinction - Dean's Honor List.

Interests

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

Last updated: October 2020