

# System Error

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## Synopsis

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Read this if you want to understand how to shape our technological future and reinvigorate democracy along the way. Reed Hastings, cofounder and CEO of Netflix

"A triumph: an analysis of the critical challenges facing our digital society that is as accessible as it is sophisticated." Anne-Marie Slaughter, CEO of New America

A forward-thinking manifesto from three Stanford professors—experts who have worked at ground zero of the tech revolution for decades—that reveals how big tech's obsession with optimization and efficiency has sacrificed fundamental human values and outlines steps we can take to change course, renew our democracy, and save ourselves.

In no more than the blink of an eye, a naïve optimism about technology's liberating potential has given way to a dystopian obsession with biased algorithms, surveillance capitalism, and job-displacing robots. Yet too few of us see any alternative to accepting the onward march of technology. We have simply accepted a technological future designed for us by technologists, the venture capitalists who fund them, and the politicians who give them free rein.

It doesn't need to be this way.

**System Error** exposes the root of our current predicament: how big tech's relentless focus on optimization is driving a future that reinforces discrimination, erodes privacy, displaces workers, and pollutes the information we get. This optimization mindset substitutes what companies care about for the values that we as a democratic society might choose to prioritize. Well-intentioned optimizers fail to measure all that is meaningful and, when their creative disruptions achieve great scale, they impose their values upon the rest of us.

Armed with an understanding of how technologists think and exercise their power, three Stanford professors—a philosopher working at the intersection of tech and ethics, a political scientist who served under Obama, and the director of the undergraduate

Computer Science program at Stanford (also an early Google engineer)â€™ reveal how we can hold that power to account.

Troubled by the values that permeate the universityâ€™s student body and its culture, they worked together to chart a new path forward, creating a popular course to transform how tomorrowâ€™s technologists approach their profession. Now, as the dominance of big tech becomes an explosive societal conundrum, they share their provocative insights and concrete solutions to help everyone understand what is happening, what is at stake, and what we can do to control technology instead of letting it control us.

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