



STEVENS
INSTITUTE of TECHNOLOGY
THE INNOVATION UNIVERSITY

Technology: Our Past and Our Future *The Stevens Indicator, Spring 2015*

In January, in partnership with the Hoboken Historical Museum, Stevens launched an exhibit, the Extraordinary Stevens Family: a New Jersey Legacy 1776-1911. This fascinating exhibit, open through July 5, 2015, is a must-see for all Stevens alumni. One of the most striking aspects of this exhibit, and the companion video, produced by John Dalton '60 and narrated by classmate Richard Reeves, was the vision and foresight of Col. John Stevens and his sons to develop new technologies that literally changed the world. From steam engine and railroad technologies, to ironclad war vessels and ballistics, the role that Col. John Stevens played in petitioning Congress for the establishment of U.S. patent law in 1790, and many more examples, the innovations and entrepreneurial vision of the Stevens family literally changed the course of history.

These themes are especially relevant to the focus of this issue of *The Indicator*: Stevens' growing impact in the domains of business and finance. Alumni reading this issue will undoubtedly recall classmates who have gone on to successful careers in the business and finance sectors after studying engineering at Stevens. For decades, the broad-based, heavily analytical and technology-focused curriculum prepared graduates for successful careers across a wide variety of fields, and the business and finance industries have particularly benefited from the strong technology orientation of Stevens graduates.

Of course, technology has transformed the conduct of business and finance over the last decade. Automation, high frequency trading, big data and business analytics are among the changes that have contributed to this transformation, characterized in part as a transition from a "relationship-based" industry to a technology-enabled "intelligence-based" industry. Where traditional backgrounds in business and finance were once required for entry into these industries, they are no longer sufficient for success. Today, firms recruit graduates with skill sets in technology and quantitative finance. Current Stevens programs prepare graduates for success on Wall Street and throughout the business and financial sectors. Over the last decade, for example, 20 percent of Stevens graduates have accepted employment in the finance industry alone, and many have gone on to be successful entrepreneurs in this sector.

Building on these foundations, Stevens' approach to preparing the next generation of leaders in business and finance is more deliberate, more comprehensive and more strategic. Through the Howe School of Technology Management, Stevens offers a portfolio of undergraduate majors and graduate programs encompassing all the major disciplines within business: finance, marketing, economics, management, information systems, quantitative finance, and business and technology, as well as specialized graduate programs such as telecommunications management and business intelligence and analytics.

Our state-of-the-art Hanlon Financial Systems Lab is home to some of the latest financial systems research, software innovations for financial networks, and investigations into cyber-security challenges in finance. The Hanlon Lab provides undergraduates and graduate students alike with the

real world experience of a live trading floor and access to Bloomberg terminals. The Hanlon Lab is one of the nation's most advanced teaching, training and research facilities of its kind. In addition, specialized programs such as the newly established Student Managed Investment Fund provide rare opportunities for students to get real-world experience managing investments. These programs and resources, along with our integral orientation to technology, combined with our close proximity to New York City, are distinguishing features for Stevens graduates in the business and finance sectors.

Continuing the legacy created by Col. John Stevens and his sons, Stevens students and alumni are harnessing the power of technology to advance business and industry and developing innovations that change the way we live and work.

I hope you'll find the time to learn more about Stevens' past—by visiting the Extraordinary Stevens Family exhibit at the Hoboken Historical Museum—and our future—by exploring our education and research programs in business and finance.

Per aspera ad astra,

A handwritten signature in black ink, appearing to read "N. Farvardin". The signature is fluid and cursive, with a large initial "N" and a long, sweeping underline.

Nariman Farvardin

President, Stevens Institute of Technology