

Contact

www.linkedin.com/in/westerma

(LinkedIn)

www.fingerworks.com (Company)

www.ece.udel.edu/~westerma

(Personal)

Top Skills

C

C++

Algorithms

Wayne Westerman

Healthy Product Design & MultiTouch Algorithms

San Francisco, California, United States

Summary

John Elias and I invented the first MultiTouch typing & trackpads at U of Delaware in the late 1990s in response to my struggles with tendonitis in grad school. This work was partially funded by an NSF Graduate Fellowship. In 1999 we founded FingerWorks to bring surface typing, point, drag, zoom & scroll in a rich chordic gesture language to power users and RSI sufferers. In 2005, FingerWorks was acquired by Apple as Apple created MultiTouch displays debuting in the iPhone, iPad, and Apple Watch. My team also adapted MultiTouch algorithms to the Apple Magic Mouse, Magic Trackpad, and Apple TV remote. FingerWorks typing patents became crucial parts of the iOS typing engine. MultiTouch has become ubiquitous worldwide in smart phones and tablets.

I'm also a strong advocate of quiet, energy-efficient methods for clean indoor air as an easy, effective pandemic mitigation, and corralled the twitter engineering dads experimenting with PC fan Corsi-Rosenthal boxes into formation of CleanAirKits.com

Experience

Apple

Distinguished Engineer and MultiTouch Architect

2005 - Present (20 years)

DEST (Distinguished Engineer/Scientist/Technologist) and leader of the HID Multi-Touch Algorithms team

FingerWorks, Inc.

Co-Founder & VP of Software Engineering

June 1999 - February 2005 (5 years 9 months)

University of Delaware

Visiting Assistant Professor

September 1999 - May 2003 (3 years 9 months)

Education

National Academy of Inventors

Inductee · (2014 - 2014)

University of Delaware

DCI PostDoctoral Fellow · (2003 - 2004)

University of Delaware

Ph.D., Electrical Engineering · (1995 - 1999)

Purdue University

BS, Electrical Engineering · (1991 - 1994)