ERIC ALLISON

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EXPERIENCE

Head of Elevate, Uber Technologies, Inc., San Francisco, CA — 2018-Present
Developing multimodal aerial ridesharing for the world's largest on-demand transportation network.

CEO, Zee Aero, Kitty Hawk Corporation, Mountain View, CA — 2016-2018
Bringing the world's first all-electric, vertical takeoff and landing, self-piloting air taxi to market to make short range air transportation economical and effective.

CEO, Zee.Aero Inc., Mountain View, CA — 2015-2016
Led company through transition from research and development to product focus. Tested multiple all-electric, fly-by-wire, clean-sheet piloted aircraft.

Director of Engineering, Zee.Aero Inc., Mountain View, CA — 2010-2015
Led multidisciplinary engineering and manufacturing team to build several prototype electric, vertical takeoff and landing aircraft. Grew team from zero engineers to over 75. Team developed and built multiple clean-sheet aircraft designs and created best-in-class electric aircraft powertrain components.

Aerospace Scientist, Desktop Aeronautics, Palo Alto, CA — 2007-2010
Developed and applied computational tools for preliminary aircraft analysis and design. Such tools included an integrated boundary layer/Euler flow solver and creation of a framework for laminar flow-based preliminary aircraft design.

Ph.D. Candidate, Stanford University, Stanford, CA — 2001-2006
Thesis topic was a controllable wireless endoscope using a novel ultrasonic propulsion system. Designed and integrated electrical and mechanical systems; characterized performance of novel components. Advisors were Prof. George Springer in the Department of Aeronautics and Astronautics and Dr. Jacques Van Dam in the Department of Medicine.

SAE Aero-Design, Milwaukee School of Engineering, Milwaukee, WI— 1998-1999
Led team that placed first in the 1999 SAE Aero-Design East international competition as part of senior design project. Was chief aerodynamicist, team captain, and system engineer.

EDUCATION

Stanford University, Stanford, CA — Ph.D., Aeronautics and Astronautics, 2006

Stanford University, Stanford, CA — M.S., Aeronautics and Astronautics, 2001

Milwaukee School of Engineering, Milwaukee, WI — B.S., Mechanical Engineering, 1999

AWARDS

- 2006 Ballhaus Prize for Best Ph.D. Thesis
- 2003 Stanford E-Challenge Grand Prize ($25,000 cash award) "Navigation through chronic total occlusions (CTOs) by imaging of the vasa vasorum"
- Nicholas J. Hoff Award for Outstanding Master's Degree Student
- William R. and Sara Hart Kimball Fellow (3 year Stanford Graduate Fellowship)
- 1999 Milwaukee School of Engineering spring Class Respondent

PUBLICATIONS

Eric M. Allison, George S. Springer, Jacques Van Dam, "Ultrasonic Propulsion," *AIAA Journal of Propulsion and Power* (0748-4658) 2008 vol. 24 no. 3, pages 547-553.