



UNIVERSITY OF MINNESOTA
Driven to DiscoverSM

Nov 3, 2025

IVIWE HLATANA

has successfully completed

Black-box and White-box Testing

an online non-credit course authorized by University of Minnesota and offered through Coursera

A handwritten signature in black ink that reads "Mike A. Whalen".

Mike Whalen
University of Minnesota

A handwritten signature in black ink that reads "Kevin Wendt".

Kevin Wendt
Director of Graduate Studies, Software Engineering
Department of Computer Science and Engineering

COURSE CERTIFICATE



Verify at:
<https://coursera.org/verify/8F2YQIBRQHCl>

Coursera has confirmed the identity of this individual and
their participation in the course.