Melonee Wise

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EDUCATION

M.S. Mechanical Engineering
University of Illinois Urbana Champaign

2004 – 2005
Urbana Champaign

B.S. Physics Engineering
University of Illinois Urbana Champaign

2000 – 2004
Urbana Champaign

B.S. Mechanical Engineering
University of Illinois Urbana Champaign

2000 – 2004
Urbana Champaign

PROFESSIONAL EXPERIENCE

VP/GM Robotics Automation
Zebra Technologies
Act as the CTO of the Robotics Automation business unit created around the Fetch Robotics acquisition.

08-2021 – present
San Jose,
United States

CEO and Co-founder
Fetch Robotics
Led and built the Fetch business until its acquisition by Zebra Technologies for $305M in August 2021

08-2014 – 08-2021
San Jose,
United States

CEO and Co-founder
Unbounded Robotics
Developed a next generation low cost mobile manipulation robot for the research market.

01-2013 – 06-2014
San Jose,
United States

Robot Development Manager
Willow Garage
Led a team of engineers and designers to develop next generation mobile manipulation hardware.

01-2007 – 01-2013
Menlo Park,
United States

SKILLS

CAD ● ● ● ● ●
Solidworks, Autodesk, Pro Engineer, etc

Robotics ● ● ● ● ●
Navigation, Manipulation, ROS, etc

Programming Languages ● ● ● ● ○
C++, Python

Prototyping ● ● ● ● ●
3D printing, laser cutting, etc

AWARDS

Engelberger Award for Technology - The "Nobel Prize" of Robotics
Advancing Automation Association (A3)

2022

MechSE Award for Distinguished Service
Department of Mechanical Engineering at University of Illinois at Urbana Champaign

2022

Supply Chain Woman of the Year ⊠
Demand Chain Executive

2021

Technology Pioneer ⊠
World Economic Forum

2018

MechSE Distinguished Alumni Award
Department of Mechanical Engineering at University of Illinois at Urbana Champaign

2016

MIT TR35 - Top Innovators Under 35 ⊠
MIT Technology Review

2015

PUBLICATIONS

Fetch & Freight: Standard Platforms for Service Robot Applications 07-2016
International Joint Conference on Artificial Intelligence

Towards Autonomous Robotic Butlers: Lessons Learned with the PR2 05-2011
International Conference on Robotics and Automation

Autonomous Door Opening and Plugging In with a Personal Robot 05-2010
International Conference on Robotics and Automation

Model-based, hierarchical control of a mobile manipulation platform 09-2009
ICAPS Workshop on Planning and Plan Execution for Real-World Systems

Application and analysis of a robust trajectory tracking controller for under-characterized autonomous vehicles 09-2008
Conference on Control Applications

PATENTS

System and method for order fulfillment using robots 2021
US 11,137,742

System and method for computing a probability that an object comprises a target using segment points 2021
US 11,087,239

Method and system for facility monitoring and reporting to improve safety using robots 2021
US 11,059,177

Method and system for facility monitoring and reporting to improve safety using robots 2021
US 11,059,176

Robotic cart configured for effective navigation and multi-orientation docking 2021
US 10,908,601

Method and system for selecting a preferred robotic grasp of an object-of-interest using pairwise ranking 2021
US 10,899,011

System and method for automatically annotating a map 2020
US 10,853,561

System and method for computing a probability that an object comprises a target 2020
US 10,699,219

System and method using robots to assist humans in order fulfillment 2020
US 10,691,109

System and method using robots to assist humans in order fulfillment 2020
S 10,562,707

System and method for computing a probability that an object comprises a target 2019
US 10,515,319

System and method for order fulfillment using robots 2019
US 10,423,150

System and method for load balancing of robots to create more equivalent task loads across task servers 2019
US 10,363,659

System and method for responding to emergencies using robotic assistance 2019
US 10,356,590

System and method for determining and promoting safety of a robotic payload 2018
US 9,943,963

System and method for localization of robots 2018
US 9,927,814

Robotic torso sensing system and method   2017
US 9,827,669

Steering column lock assembly and method of operating the same   2008
US 7,406,845