Audrow Nash

Software Engineer

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Summary

Software engineer at Intrinsic AI and host of the Audrow Nash Podcast. Experienced in robotics and middleware development, with a strong background in research and open-source contributions.

Experience

Software Engineer

01/2023 - Present

Intrinsic

- Working on cutting-edge robotics and AI technologies
- Continued work on ROS 2 following the acquisition of Open Robotics

Software Engineer

01/2021 - 12/2022

Open Robotics (acquired by Intrinsic)

- Made core changes to ROS 2's C++ client library, including redesigning fundamental components to use C++17 features
- Solved several race conditions in ROS 2's C++ client library's multi-threaded executor
- Managed community contributions to various public repositories

Research Assistant

05/2018 - 12/2020

University of Southern California

- Designed and implemented an 8-week in-home interaction using ROS 1 and Python
- Mentored five undergraduate and three master's students

Research Assistant

08/2015 - 05/2018

University of Michigan

- Implemented a fast 2D rigid body simulator in C++
- Used the simulator to tune control parameters for a bipedal robot

Skills

Programming

Strongest: Python, C/C++, JavaScript/TypeScript | **Familiar:** Rust, Go, Bash, Lua

Robotics & Systems

Strongest: ROS 2, Ubuntu/Debian | **Familiar:** ROS 1, Gazebo

Web & DevOps

Strongest: Deno, Git, Docker | **Familiar:** Node.js, Angular, React, PostgreSQL

Projects

Audrow Nash Podcast

Host of a podcast discussing robotics and AI technologies
Present | Host | audrownashpodcast.com

Education

MS in Computer Science
University of Southern California, 2020 | Advisor: Maja Matarić

MS in Electrical Engineering
University of Michigan, 2018 | Advisors: David Remy and Edwin Olson

BS in Electrical Engineering
University of North Carolina at Charlotte, 2014 | Advisor: James Conrad

Awards

Graduate Research Fellowship

National Science Foundation | 2016 | ece.engin.umich.edu

Interests

Professional: Robot middleware, Manufacturing, Simulation, Web development
Personal: Improv, Podcasting, Rock climbing