Audrow Nash

San Francisco, CA

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Education

2018 – 2020, University of Southern California
MS in Computer Science—advisor: Maja Matarić

2015 – 2018, University of Michigan
MS in Electrical Engineering—advisors: David Remy and Edwin Olson

2010 – 2014, University of North Carolina at Charlotte
BS in Electrical Engineering—advisor: James Conrad

Experience

01/21 – present, *Software Engineer*, Open Robotics
- Made core changes to ROS 2's C++ client library, including the redesign of fundamental components to use C++17 features (from C++14)
- Solved several race conditions in ROS 2's C++ client library's multi-threaded executor
- Managed community contributions to various public repositories

05/18 – 12/20, *Research assistant*, 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

06/19 – 08/19, *Intern*, Halodi Robotics
- Implemented a way for their humanoid robot to mirror arm motions

08/15 – 05/18, *Research Assistant*, University of Michigan
- Implemented a fast 2D rigid body simulator in C++
- Used the simulator to tune control parameters for a bipedal robot

Extracurricular

03-14 – 05/20, *Podcast Director*, Robohub
- Led an international team of 15 people in publishing 160 podcast episodes
- Raised donations of around 20k USD

Skills

Programming
- Python
- C/C++
- Javascript/Typescript

Computer Software
- ROS 1 & 2
- Docker
- Node.js

Awards

2016, *National Science Foundation*, Graduate Research Fellowship

Interests

Professional
Robot middleware, home robots, simulation, web development

Personal
Improv, podcasting, rock climbing