

Bryce S. Willey

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<https://brycewilley.xyz>

Boston, MA

EDUCATION **Rice University**, Houston, Texas GPA: 3.98
MS in Computer Science 2018

BS in Computer Science, Magna Cum Laude 2017
BA in Visual and Dramatic Arts, Magna Cum Laude 2017
President's Honor Roll Fall 2016, Spring 2016, Fall 2015, Fall 2014, Fall 2013

WORK EXPERIENCE LIT Lab Fellow
Suffolk Law's Legal Innovation in Technology Lab, Boston, MA 2020-Present

- Developing the ability to e-file ECF documents using docassemble
- Created a geographic dashboard to view statistics about users

Motion Planning Software Engineer
Realtime Robotics, Boston, MA 2018-2020

- Development of an autonomous vehicle motion planner
- Robotics motion planning designer

Political Data Fellow
Bluebonnet Data 2020 election cycle

- Political data (census, voter file, and VAN) for Anthia Owens Carter (GA HD-47)
- TextBank coordinator and maintainer

Graduate Student Researcher
Rice University Kavraki Lab (Advisors: Lydia Kavraki, Mark Moll) 2017-2018

- Research focused on comparison of robotic path planning methods
- Integrated and Tested Realtime UR5 control library with ROS

Google (Zurich, Switzerland) Summer 2016

- Extended an Angular template parser to correctly parse Angular 2 syntax
- Designed and implemented a web UI to dynamically compute, display, and highlight testing coverage data over Angular 2 Dart projects

LANGUAGES Python (expert), C++ (expert), Javascript (proficient), Julia (proficient)

TECHNOLOGY docassemble, Git, ROS

OPEN SOURCE Past Maintainer: MoveIt! Motion Planning Framework <https://github.com/ros-planning/moveit>

PERSONAL PROJECTS Visioning Texts: Browser data visualization for text conversations

- Summary and exploratory analysis of message data
- Supports Signal exports, WhatsApp, and Facebook Messenger
- Github Link: https://github.com/BryceStevenWilley/visioning_texts