

Dylan Jones

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EDUCATION

OREGON STATE UNIVERSITY

-PHD CANDIDATE IN ROBOTICS
-RESEARCH ASSISTANT IN THE
ROBOTIC DECISION MAKING LAB
Expected May 2020 | Corvallis, OR
Cum. GPA: 3.89 / 4.0
-MS IN ROBOTICS
Dec. 2018

TUFTS UNIVERSITY

-BS IN MECHANICAL ENGINEERING
May 2015 | Medford, MA
Summa Cum Laude
Dean's List (All Semesters)
Cum. GPA: 3.89 / 4.0

SKILLS

PROGRAMMING

MATLAB • Python • C++
HTML • ROS

SOFTWARE TOOLS

AutoCAD • Solidworks • LabVIEW
Microsoft Office Suite • MATLAB

ACTIVITIES

MATE ROV

- Judge

TAU BETA PI

- Secretary

TUFTS ENGINEERING MENTORS

- Founding Member

TUFTS BIKES

- Mechanic

TUFTS UNIV CLUB SOCCER TEAM

- Captain

TUFTS BOARD GAME CLUB

- Founding Member

AWARDS

- 2016 NSF GRFP Honorable Mention
- 2015 O'Leary Design Award for Top Senior Design Project
- 2014 Daniel V. Byrne, E76, Endowed Scholarship
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- 2012 Frank T. Lewis Scholarship

RESEARCH

ROBOTIC DECISION MAKING LAB

| RESEARCH ASSISTANT

Sep 2015 - Current | Corvallis, OR

- Developed planning and execution algorithms to help robots more accurately execute their path using optimization and learning techniques
- Deployed algorithms on an autonomous surface vessel using ROS
- Participated in numerous field robotics deployments for aerial and marine robots

EXPERIENCE

OREGON STATE UNIVERSITY

| ROBOTICS SEMINAR TA

March 2019 - Current | Corvallis, OR

- Planned travel and visit schedules for invited speakers
- Standardized the contact and scheduling procedures
- Communicated with a wide variety of parties to ensure a smooth presentation

NEW ENGLAND HYDROPOWER COMPANY

| INTERN + SITE DESIGNER

June 2013 - Sep 2013 + Aug 2014 - Apr 2015 | Beverly, MA

- Created a parametrized model of the Archimedes Screw Technology, that was then used to quickly create models of potential sites using collected data
- Interacted with both clients and government agencies to obtain needed information on potential installation sites
- Introduced new technologies into the workflow to decrease turnaround times and ensure accurate data acquisition

TUFTS COMPUTER SCIENCE DEPARTMENT

| COMPUTER SCIENCE TEACHING ASSISTANT

Sep 2013 - May 2015 | Medford, MA

- Taught students C++ and computer science concepts
- Evaluated and graded homework for functionality
- Designed and wrote homework, labs and projects to increase learning for students

PARKER CHOMERICS

| INTERN

Jun 2014 - Aug 2014 | Woburn, MA

- Tested materials for physical and EMI shielding properties using ASTM standards
- Designed and tested processing parameters and procedures for extrusion machinery on a manufacturing floor
- Analyzed production processes using Six Sigma tools

SELECT PUBLICATIONS

- [1] D. Jones and G. Hollinger. Planning energy-efficient trajectories in strong disturbances. IEEE Robotics and Automation Letters, Oct. 2017.
- [2] D. Jones, M. Kuhlman, D. Sofge, S. Gupta, and G. Hollinger. Stochastic optimization for autonomous vehicles with limited control authority. Proc. IEEE/RSJ IROS, Madrid, Spain, Oct. 2018.