

Andrew Bregger

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Looking to obtain software engineering internship.

Education

Texas A&M University

Masters of Science in Computer Science

Overall GPA: 3.5

College Station, TX

2018–present

Texas A&M University

Bachelor of Science in Computer Science, Minor in Mathematics

University Research Scholar

Overall GPA: 3.14

College Station, TX

2013–2017

Technical Skills

Programming Languages

Experienced: C++, C, Python

Basic understanding: Java, Haskell, Rust, Ruby, C#

Experience

Department of Computer Science

Teaching Assistant - Software Security

College Station, TX

August 2018 – present

- Evaluated homeworks and projects
- Held office hours to ensure student understood course concepts

Texas A&M University Department of Computer Science

Undergraduate Research Assistant

College Station, TX

January 2016 – December 2017

- Research in robotic motion planning
- Develop and maintain C++ motion planning library, PMPL
- Published undergraduate thesis on kinodynamic motion planning
- Coauthor on paper exploring topological Nearest-Neighbor filtering

Publications

1. Jory Denny, Read Sandstrom, Andrew Bregger, and Nancy M. Amato. Dynamic region-biased rapidly-exploring random trees. In *Proc. Int. Workshop on Algorithmic Foundations of Robotics (WAFR)*, San Francisco, Ca, December 2016
2. Read Sandstrom, Andrew Bregger, Ben Smith, Shawna Thomas, and Nancy M. Amato. Topological nearest-neighbor filtering for sampling-based planners. In *Proc. IEEE Int. Conference of Robotics and Automation (ICRA)*, May 2018

Project

Course Request System

Software Engineering Course

Spring 2018

- Implemented a system to allow student to request entry into courses.
- Implemented database encryption to comply with federal regulation.

Leadership

Eagle Scout

May 2013