

# Jeramey Tyler

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## CONTACT INFORMATION

jerameyatyer@gmail.com

github.com/JerameyATyler

## EDUCATION

**Rensselaer Polytechnic Institute**, Troy, New York USA

Ph.D., Computer Science, expected graduation date: May 2021.

M.S., Computer Science, expected completion date: Dec 2017.

Advisor: Sibel Adali.

**Indiana University Southeast**, New Albany, IN USA

B.S. in Computer Science, May 2015.

A.A. in Mathematics, May 2015

## NOTABLE PROJECTS

- Designed and implemented a lab for a group of young students. Students built the game Snake in a way that allowed them to easily change the game mechanics. (Python)
- Developed and maintained user tooling that directed customers to the approximate part they needed from a massive potential part catalog. (C#, Visual Basic, JavaScript, HTML, CSS, SQL)
- Designed and implemented a framework to test and visualize multi-agent robotic navigation algorithms. Allowed a researcher to moderately easily implement and compare navigation algorithms in consistent randomly generated environments. (Java)
- Current main hobby project: development of a web application that encourages and tracks charitable activities. (Python)

## EMPLOYMENT EXPERIENCE

**Samtec**, New Albany, IN USA

*Software Development Coop*

**September 2011 - March 2015**

Worked on three projects. Developed and maintained tooling to direct customers to correct options from a massive space. Wrote services for a large legacy system. Wrote services and SQL queries for a social/e-commerce application. (C#, Visual Basic, JavaScript, HTML, CSS, SQL)

## ACADEMIC EXPERIENCE

**Rensselaer Polytechnic Institute**, Troy, New York USA

*Graduate Teaching Assistant*

**August 2015 - Present**

Ongoing M.S. and Ph.D. research, graduate level coursework and projects. Particular areas of study include computer vision, machine learning, databases, computer graphics, and psychoacoustics. TA for an Intro. Computer Science course taught in Python, Data Structures course taught in C++.

**Indiana University Southeast**, New Albany, IN USA

*Undergraduate Research Student*

**May 2011, May 2015**

Studied the use of autonomous mobile robots in the exploration of hostile environments. Implemented navigation algorithms and collected/collated data. Worked as a tutor, in lab assistant, supplemental instructor, and public tutor. Java, C++, Visual Basic

## SELECTED PUBLICATIONS

J. Tyler, M. Peveler, B. Cutler. *A Flexible Late Day Policy Reduces Stress and Improves Learning*. SIGCSE , March 2017.

M. Peveler, J. Tyler, S. Breese, B. Cutler, A. Milanova. *Submittity: An Open Source, Highly-configurable Platform for Grading of Programming Assignments*. SIGCSE , March 2017.