



Andrew Silva

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SUMMARY

Computer science and robotics researcher with two years of industry experience in software development. Master's in CS with Specialization in Computational Perception and Robotics, interest in machine learning, artificial intelligence, and robotics. Diverse set of development skills, self-starting, and experienced in both academic and industry work.

EXPERIENCE

Research Scientist I, Georgia Tech

Atlanta, GA — May 2017 - Present

I work as a research scientist in the RAIL lab at Georgia Tech under Dr. Sonia Chernova. The RAIL lab works on developing robotic systems to work with humans in diverse and dynamic environments.

Accomplishments

- Wrapped several state of the art deep networks in ROS for deployment on an autonomous robot
- Published a new ROS package for real time face detection using a deep network, improved an existing ROS package for real time object detection
- Conducted two user studies to evaluate the performance of an experimental algorithm against a random baseline

EDUCATION

Georgia Institute of Technology —
BS in Computational Media, 2014
Certificate in Business
Entrepreneurship, 2014

Georgia Institute of Technology —
MS in Computer Science, 2017

SKILLS

Python
C++
Java
Javascript
HTML / HTML5
CSS / CSS3 & LESS
C#



- Helped to write and submit a workshop paper accepted to HRI 2018, two conference papers (RSS 2018 and BMVC 2018), and a journal paper in progress
- Used deep networks to create video embeddings for a zero shot learning project.

GTA, Georgia Tech

Atlanta, GA — August 2016 - September 2017

I worked as a TA for CS 6476, Computer Vision, helping about 200 students in the OMSCS program through the course. As a TA for the course I would host office hours, answer student questions online, and grade assignments.

Applications Developer, AT&T

Atlanta, GA — June 2014 - December 2015

Within AT&T I worked primarily on two separate teams, CDI (Concept Development Innovation) and TDP (Technology Development Program). The CDI team focuses on working with new technologies and experimenting, and the TDP team focuses on developing new employees and helping people to train in new technologies for a changing future.

Accomplishments

- Wrote a library for Android devices to work with Apple iBeacons
- Oversaw the Atlanta internship program, helping to manage 40 Summer interns
- Presented and developed a job search platform for employees to seek new opportunities and training programs within the company
- Assisted in development of a data-visualization project for third-party advertisers
- Worked as a developer on various web projects and Android projects within the Agile methodology

