Darin E. Costello

SOFTWARE ENGINEER · DATA SCIENTIST

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Education

University of Utah *Salt Lake City, Utah*
PHD CANDIDATE IN COMPUTER SCIENCE *August 2017 - Present*
- Focusing on streaming algorithms

Brigham Young University *Provo, Utah*
B.S. IN COMPUTER SCIENCE, MINOR IN MATHEMATICS *Aug. 2013 - April 2017*
- Dean's list 2015 and 2016
- BYU ACM Member 2015 - 2017

Experience

Human Centered Machine Intelligence Lab *Provo, Utah*
RESEARCH ASSISTANT *May 2016 - September 2017*
- Developed robot tracking systems
- Wrote a SDK for the the toy Sphero
- Created ROS package allowing the control of a Sphero swarm
- Implemented an experimental cordon and move algorithm using Spheros
- Built a multi-platform swarm robotics demo

Human Conditioning Lab *Provo, Utah*
SOFTWARE DEVELOPER *May 2015 - April 2017*
- Built ETL and data analysis software for pigeon experiment data
- Wrote software that connected an EEG with existing experimental procedure
- Created data analysis pipeline to analyses raw EEG data
- Maintained existing game and data handling software

BYU Computer Science Department *Provo, Utah*
TEACHING ASSISTANT *May 2016 - April 2017*
- Assisted professor in creating and rewriting 15 programming assignments
- Explained functional programming concepts to students
- Taught the syntax and semantics of six programming languages: Racket, Julia, Haskell, Prolog, Elixer, and Erlang

Alexandria Yellow Cab *Alexandria, Virginia*
DISPATCHER *May 2013 - April 2015*
- Directed 2 taxis fleets of 290 vehicles total
- Managed 6 call-takers and assisted them in their duties and training
- Recovered $600 of lost merchandise per week

Proficiencies

PROGRAMMING LANGUAGES
- Python
- Java
- C++
- SQL
- MATLAB
- C

TECHNOLOGIES
- Linux
- SQLite
- MySql
- TensorFlow
- AWS
- Spark

SKILLS
- Verbal and written communications
- Database management
- Machine Learning / Data Mining
- Problem Solving
- Debugging
- Results Driven