# Morgan M. Cundiff

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Skills:

Proficient: Python, C++, Java, C# and F# Experience with: C, R, JavaScript, HTML, and CSS

#### EXPERIENCE

ShopRunner 2019 - Present

Data Scientist

- Various predictive modeling projects that bring business value to the company
- Developing a Deep Learning algorithm to complete color identification on retail product images

Digium Inc. 2015 - 2017

Software Engineer

- Slashed crash reports 20% and improved store ratings by redesigning cross-platform application in F# and C#
- Used JavaScript, HTML, and CSS to rewrite web extension for compatibility with new API

## UC San Diego Computer Science Department

2014 - 2016

Head Tutor

Data Structures and Object Oriented Design (CSE 12):

- Lead a 50-60 person team of tutors
- Taught in-depth understanding of data structures
- Taught C, C++ and Java concepts

Software Engineering (CSE 110):

- Graded mobile and web applications for functionality and consistency
- Critiqued Agile and Waterfall artifacts

Calcutt Lab 2012 - 2015

Research Technician

- Increased efficiency of nerve density analysis 5X by developing a novel pattern matching algorithm
- Designed new hardware for corneal animal research now used in 3 other research facilities
- Third author on paper published in Canadian Journal of Diabetes

## Amigos de las Americas

2014 - 2016

Training Director and Board Member

- Eliminated standards violations from a 12.5% average the past 3 years by redesigning training activities
- Managed an 8 person team and increased applications for positions by 20% the following year
- Communicated tasks between organization's board, parents, volunteers and training team

#### **EDUCATION**

## Georgia Institute of Technology - Expected May 2020

Master of Science, Computer Science - Machine Learning

UC San Diego - 2016

Bachelor of Science, Computer Science w/ Specialization in Bioinformatics

## NOTABLE ACHIEVEMENTS AND PROJECTS

### Solar Powered Water Pump

2013 - 2015

- Designed, optimized, and constructed efficient pump to run on solar energy
- Elected team lead of the nearly twenty person collaboration
- Chosen to represent the project at the 2015 CGIU Conference in Miami, Florida