Morgan M. Cundiff

morganmcundiff@gmail.com

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