

# Isaac Ethington

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## Summary

I am a recent graduate looking for a full-time position as a software engineer. I'm interested in machine learning, robotics, and data.

## Education

Arizona State University – Computer Science (BS) – May 2019  
Cumulative GPA: 2.98      Major GPA: 3.25

## Skills

Keras, Jupyter Notebooks, Excel, Machine Learning, Artificial Intelligence, Algorithms, Graphs, Linux, Data Mining, Robot Control, 3D-printing, Korean Language – 한국어

## Programming Languages

Python, MATLAB, C++, C

## Work History

Mesa Kids Camp – Camp Counselor – May 2018 – Aug 2018  
Mesa Public Schools – Instructional Assistant – Aug 2016 – May 2017  
Prospect Airline Services – Cabin Cleaner – Feb 2016 – Aug 2016  
Korea Seoul South Mission – Volunteer – Dec 2013 – Dec 2015

## Elective Classes and their Projects

Intro to AI – UC Berkley's Pacman Projects  
Intro to Machine Learning – Keras to make various neural networks for MNIST and CIFAR-10/100  
Intro to Robotics – Classic mobile robot control algorithms in MATLAB simulation.  
Control & Coordination of Multi-Robot Systems – Implemented algorithm from the paper *Unifying Geometric, Probabilistic, and Potential Field Approaches to Multi-Robot Coverage Control*. MATLAB  
Multimedia Information Systems – Categorization on images submitted to social media sites. Python, OpenCV  
Social Media Mining – Analyzing hate speech on reddit.  
Design & Analysis of Algorithms – Various algorithms implemented in Python for practice.

## Other Projects

CamelCup AI – Reinforcement learning to win at a simple board game. Python  
Powerwasher – Connects to a reddit account to block and hide content from power-users.

## Other

Level One Fingerprint Clearance Card – Exp. Aug 2022.