



# LK

# LOGAN KOJIRO

ELECTRICAL AND COMPUTER ENGINEER | [WWW.LOGANKOJIRO.COM](http://WWW.LOGANKOJIRO.COM)

## SKILLS

- C/C++
- Python
- System Verilog
- Arduino
- MATLAB
- Unix
- Git
- x86-64
- Solidworks

## LEADERSHIP/AWARDS

- Eagle Scout
- National Honor Society
- Japanese National Honor Society
- Team Captain

## ACTIVITIES

- Varsity Swim Team
- Sigma Phi Epsilon Fraternity
- Cello

## EXPERIENCE

### RESEARCH ASSISTANT • SPRING/SUMMER 2017

#### CARNEGIE MELLON BIOROBOTICS LAB

Emulated snake movement and behavior in a robot with a team of engineers and biologists.

Developed proficiency in MATLAB and the Hebi Robotics API through work on robot's series elastic actuator modules

## EDUCATION

### B.S. ELECTRICAL AND COMPUTER ENGINEERING • MAY 2020 •

#### CARNEGIE MELLON UNIVERSITY

##### Relevant Coursework

Introduction to Computer Systems

Fundamentals of Programming and Computer Science

Integration, Differential Equations, and Approximation

Calculus in Three Dimensions

Principles of Imperative Programming

Structure and Design of Digital Systems

## PROJECTS

### DIGITIZE • TARTAN HACKS 2018 •

Developed in 24 hours, uses Microsoft's Custom Vision API, OpenCV, and Pillow to analyze images of our representations of circuit elements. Then performs QM simplification to find the reduced Boolean expression

### BURST • 15-112 TERM PROJECT •

Uses various signal-processing techniques to generate a visual representations of musical tracks



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