LK

LOGAN KOJIRO

ELECTRICAL AND COMPUTER ENGINEER | GITHUB.COM/LKOJIRO

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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