LOGAN **KOJIRO**
SOFTWARE ENGINEER

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EDUCATION

CARNEGIE MELLON UNIVERSITY
PITTSBURGH, PA
B.S. Electrical and Computer Engineering
Class of 2020

LAKE OSWEGO HIGH SCHOOL
LAKE OSWEGO, OR
National Honor Society | AP Student
Class of 2015

TECHNICAL SKILLS

- C/C++
- System Verilog
- Unix
- Git
- CMake
- Python
- x86-64
- Arduino
- Quartus
- FPGAs

RELEVANT COURSEWORK

15-112 : Fundamentals of Prog. & CS
15-122 : Principles of Imperative Prog.
15-462 : Computer Graphics
18-100 : Intro to Computer Eng.
18-202 : Math Fund. of Electrical Eng.
18-213 : Intro to Computer Systems
18-240 : Design of Digital Systems
21-127 : Concepts of Mathematics
21-259 : Calculus in 3D
60-223 : Physical Computing

ACTIVITIES

- CMU Varsity Swim Team
- Sigma Phi Epsilon Fraternity
- Dancers' Symposium

AWARDS

- Eagle Scout
- Folds of Honor Scholarship

WORK EXPERIENCE

ARIN TECHNOLOGIES | SOFTWARE ENGINEERING INTERN
PITTSBURGH, PA | SUMMER 2018
- Designed and implemented a scalable and user friendly GUI
- Simplified the highly complex installation and calibration process for a proprietary indoor positioning system
- Wrote a companion HTTP server which allowed for remote hardware calibration

CMU BIO-ROBOTICS LAB | RESEARCH ASSISTANT
PITTSBURGH, PA | SPRING/SUMMER 2017
- Emulated snake movement and behavior in a robot with an interdisciplinary team of engineers and biologists
- Ran experiments on robot assembled from series elastic actuator modules
- Developed proficiency in MATLAB and the Hebi Robotics API

PROJECTS

DIGITIZE | TARTAN HACKS
PITTSBURGH, PA | SPRING 2018
- Analyzes images of laser-cut circuit elements and performs QM simplification
- Uses Microsoft's Custom Vision API, OpenCV, and Pillow
- Developed in 24 hours

BURST | 15-112 TERM PROJECT
PITTSBURGH, PA | SPRING 2017
- Uses signal-processing techniques to generate visuals synced to musical tracks
- Placed 2nd at spring term project showcase

LEADERSHIP

SIGMA PHI EPSILON | GREEK SING CHAIR
PITTSBURGH, PA | AUGUST 2018 - PRESENT
- Organize the production of a 15-minute musical
- Coordinate costume/set design, script/music writing, and months of rehearsals
- Manage a $2000 budget
- Work with philanthropy partner to organize volunteer events
- Lead fundraising events (last year raising over $10k)

SPECIAL OLYMPICS | COMMITTEE MEMBER
PITTSBURGH, PA | SPRING 2018
- Organized and hosted the Pennsylvania Western Spring Sectional competition
- Acted as site coordinator for the opening ceremonies
- Supervised volunteers to help nearly 500 athletes compete

CARNEGIE MELLON UNIVERSITY | ORIENTATION COUNSELOR
PITTSBURGH, PA | AUGUST 2018
- Served as a member of the First Year Orientation staff, welcoming new students
- Supported a week long series of events integrating new students into the Carnegie Mellon community.