

Russell Kazuo Wakugawa

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EDUCATION

University of Southern California	August 2018 – Expected Graduation: May 2019
Bachelor of Science in Computer Engineering and Computer Science	GPA: 3.81
California Polytechnic State University, San Luis Obispo	August 2015 – June 2017
Bachelor of Science in Computer Engineering	GPA: 3.61

EXPERIENCE

Robotics Software Engineering Intern: Beyond Limits AI (Python, ROS)	January 2019 – Present
<ul style="list-style-type: none">■ Working on autonomous robotics project for surveying and automated reporting.■ Integrating PID controllers for motion control to accurately control velocity and stabilization of the robot	
Full Stack Software Development Intern: Hulu LLC (Java, ReactJS)	June 2018 – August 2018
<ul style="list-style-type: none">■ Designed automated internal monitoring system for Hulu's messaging platform using Java Spring Boot and ReactJS, to improve transparency and debugging practices■ Collaborated with messaging team using SCRUM to integrate data capture, retention, and visualization of monitoring solution	
Software Engineering Intern: Veritas Technologies LLC (C, C++)	June 2017 – August 2017
<ul style="list-style-type: none">■ Collaborated with other interns to implement a new feature for Veritas's deduplication engine■ Interpreted 100,000 line legacy code base and wrote additions to work cohesively with existing platform■ Marketed deduplication feature by interacting directly with potential customers, providing a high-level overview and technical support to answer questions and concerns	
Technology Camp Counselor: Planet Bravo (Java, Python)	June - August 2015, 2016
<ul style="list-style-type: none">■ Created Minecraft Modding curriculum by writing and testing Java code to be given to students for instruction, and after refinement, was made standard throughout Planet Bravo summer camps■ Learned Python to design and refine existing curricula to better instruct students	

PROJECTS

Interactive Graphical Software Tool for Control System Design: Directed Research (C++)	October 2017 – Present
<ul style="list-style-type: none">■ Developing communication protocol between custom GUI to Wolfram Mathematica software to translate user inputted transfer functions to Mathematica and passing finished computation back to the GUI	
LED Cube: Corpus Callosum (Arduino)	August 2017 – December 2017
<ul style="list-style-type: none">■ Created 4x4x4 LED Cube using multiplexing through an Arduino, to display algorithm-based designs■ Wrote and designed training materials for members to learn Arduino programming and basic electronic development: soldering, breadboard testing, electronic circuits, programming tutorials	

EXTRACURRICULARS

Head Course Producer: CSCI 104 (C++)	January 2018 - Present
<ul style="list-style-type: none">■ Writing student labs to supplement classes and provide problem solving and high-level design guidance■ Coordinating and scheduling all course staff office hours and lab sections to accommodate all schedules■ Hold weekly office hours to further explain concepts, implementation, and assignments	
Resident Advisor: Yosemite Hall	August 2016 – June 2017
<ul style="list-style-type: none">■ Established and facilitated a same and inclusive learning environment by encouraging dialogue of topics of ethnicity, gender identity, sex, and interpersonal skills■ Promoted student success through creative and engaging programs as well as resident interactions	