

Kyle O'Brien

Software Engineer

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Education

University of California, Santa Cruz	9/2018 - Present
Bachelors Degree in Computer Science - 3.53 GPA	
Expected Graduation: June 2020	
Santa Rosa Junior College	8/2015 - 6/2018

Skills

Productive: Python, Docker, Amazon Web Services, CircleCI, Javascript, NodeJS
Familiar: Terraform, Nginx, ReactJS, Flask, C++, Java, SQL, MongoDB, Redis

Experience

Remote.it - Software Engineering Intern	Palo Alto 6/2018 - Present
<ul style="list-style-type: none">Architected company's first ETL pipeline using AWS and Elasticsearch allowing for easy analysis of log data.Automated data pipelines with Terraform increasing infrastructure reliability and maintainabilityDeveloped a NPM package using Docker containers allowing my team to better stress test our API.	
Remi.ai - Software Engineering Intern	Santa Rosa 2/2018 - 6/2018
<ul style="list-style-type: none">Refactored a monolithic Tensorflow convolutional neural network into distributed Flask microservices.Dockerized machine learning models significantly reducing the time necessary to deploy on AWS.	
opsZero - DevOps Engineering Intern	Santa Rosa 10/2017 - 6/2018
<ul style="list-style-type: none">Implemented continuous integration in web applications using CircleCI reducing production errors.Wrote an AWS encryption monitoring tool which automated over 8 hours of security audits weekly.	
Micromat - Software Engineering Intern	Santa Rosa 6/2017 - 8/2017
<ul style="list-style-type: none">Collaborated with resident engineers on developing native MacOS applications with Swift.Learned software engineering best practices such as MVC architecture and Git.	

Leadership

CruzHacks - Director of Software Engineering	Santa Cruz 6/2018 - Present
<ul style="list-style-type: none">Lead an eight-person team of student engineers developing projects supporting a 500+ person hackathon.Mentored junior engineers through code review, standups, and evangelizing engineering best practices.Directed development of front-end, backend-end, and cloud-native applications.	
SRJC Computer Science Club - President	Santa Rosa 5/2017 - 5/2018
<ul style="list-style-type: none">Tripled club membership to over 50 members by focusing on retention of underrepresented students.Worked with a local startup to create my college's first internship program for CS majors.Organized previously lacking private tutoring sessions for CS courses.	