

# Kyle O'Brien

Software Engineer

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## Experience

- Remote.it - DevOps Engineering Intern

Palo Alto 6/2018 - Present

  - Architected company's first ETL pipeline using AWS and Elasticsearch allowing for collection and analysis of log data.
  - Automated data pipelines with Terraform increasing infrastructure reliability and maintainability.
  - Developed 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

  - 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

  - 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

  - Collaborated with resident engineers on developing native MacOS applications with Swift.
  - Learned software engineering best practices such as MVC architecture and Git.

## Leadership

- Gesher Group - Technical Project Manager

Santa Cruz 4/2019 - Present

  - Lead a team of four student software engineers in developing a multipage ReactJS website.
  - Implemented engineering best practices including continues integration, and centralized documentation.
- CruzHacks - Director of Software Engineering

Santa Cruz 6/2018 - Present

  - Lead a five-person team of student engineers developing projects supporting a 500+ person hackathon.
  - Mentored junior engineers through code review, standups, and evangelizing engineering best practices.
- SRJC Computer Science Club - President

Santa Rosa 5/2017 - 5/2018

  - 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.

## Skills

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

## Education

- University of California, Santa Cruz

9/2018 - Present

Bachelors Degree in Computer Science - 3.33 GPA

Expected Graduation: June 2020
- Santa Rosa Junior College

8/2015 - 6/2018