KYLE O'BRIEN
Computer Science Undergraduate

kyledevinobrien1@gmail.com
linkedin.com/in/kyle1668
github.com/kyle1668
kyleobrien.io

EDUCATION

B.S. in Computer Science, University of California, Santa Cruz　　9/2018 - Present
- **Expected Graduation:** June 2020

Computer Science (Transfer), Santa Rosa Junior College　　8/2015 - 5/2018
- **Major GPA:** 3.8　**Overall GPA:** 3.5

SKILLS

Productive: Python, Docker, CircleCI, Javascript, ReactJS, NodeJS, AWS

Familiar: Nginx, Flask, C++, Java, MongoDB, Redis, Postgres

EXPERIENCE

Software Engineering Intern, Remote.it　　Santa Rosa & Palo Alto, CA　6/2018 - Present
- Built a new user authentication service using NodeJS, JWT, and Redis.
- Architected company's first ETL pipeline using AWS S3, Lamda, and Elasticsearch.
- Developed an internal npm package to stress test API endpoints using Docker containers.

Software Engineering Intern, Remi AI　　Santa Rosa, CA　3/2018 - 6/2018
- Programmed Flask APIs interfacing with convolutional neural networks.
- Dockerized machine learning models for deployment on AWS EC2.

Software Engineering Intern, opsZero　　Santa Rosa, CA　10/2017 - 6/2018
- Implemented continuous integration in Ruby on Rails applications using CircleCI.
- Wrote an AWS encryption monitoring tool which automated over 8 hours of security audits weekly.

Software Engineering Intern, Micromat　　Windsor, CA　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.

PROJECTS

Lisent: Sentiment Analysis API　　github.com/kyle1668/lisent
- Used Flask and the Python Natural Language Toolkit to perform sentiment analysis on bodies of text.

ec2-check: AWS Encryption Monitoring Tool　　github.com/kyle1668/ec2-check
- A npm module to check whether your AWS EC2 instances are encrypted.

ACTIVITIES

Student Software Engineer, CruzHacks　　Santa Rosa, CA　5/2018 - Present
- Lead of a team of three students to developer Flask backend for a hackathon registration web app.

President, SRJC Computer Science Club　　Santa Rosa, CA　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.
- Organized previously lacking private tutoring sessions for CS courses.