



James O'Donnell


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TECHNICAL SKILLS

Proficient: *Python, Java*

Prior Experience: *Javascript, SQL, Matlab, PHP, Git, React, Ruby, CircleCI, JQuery, XML and C.*

EDUCATION

The University of Edinburgh - 2015 - 2019 (Expected)

BSc. (Hons.) Computer Science.

Honours level average: **85%**.

First-Class Honours expected.



UKSEDS Lunar Rover Competition Team - Lead Software Developer

- ◆ Secured £400 in funding. Lead the design and development of the software for the rover.

National Student Space Conference 2019 - Local Co-organiser

RELEVANT EXPERIENCE

DevOps Engineering Intern - Administrate - Summer 2018

- ◆ Used Docker to automate deployment and ease maintenance of legacy systems.
- ◆ Developed skills with a variety of AWS services such as Cloudformation, ELB, and ECS.
- ◆ Reduced the number of failing builds by improving existing deployment scripts to reduce the scope for errors.

Administrate

Software Engineering Intern - Administrate - Summer 2017

- ◆ Aided in planning and developing integration with Xero to allow for smoother and safer payments for customers.
- ◆ Upgraded all legacy data tables to a more extensible component using React and GraphQL.

TOP PERSONAL PROJECT

Published Android app - 'LostPets'

- ◆ Sends users notifications of pets lost nearby and displays them using Google Maps integration.
- ◆ Wrote Python web scrapers, PHP and MySQL to populate and manage the databases.



TOP ACHIEVEMENTS AND AWARDS

System Design Project - Medical delivery robot

- ◆ Worked in a team of 8 to develop a robot that securely held samples and delivered them to another location in a hospital.
- ◆ I set up an AWS hosted and TravisCI integrated Flask server to control the robot, a vision system and an Android app.

Innovation Award, "STEM in the Pipeline" Competition

- ◆ Used computer imaging to calculate the volume of oil in a field with near **100%** precision and in under **30%** of expected time.

Android Application - 'Songle' - Java

- ◆ Scored 98%. Received the following feedback from the Professor:

"This is an exemplary submission which goes considerably beyond the bounds of the practical to provide a very impressive and professional app. Congratulations on your achievement."