


James O'Donnell


 github.com/james-od

 +44 (0)7891309898

 james@james-odonnell.com

 7/2 South Oxford Street, Edinburgh, EH8 9QF

 [linkedin.com/in/james-od](https://www.linkedin.com/in/james-od)

 james-odonnell.com

TECHNICAL SKILLS

Proficient: Python, Java

Prior Experience: Javascript, SQL, Matlab, PHP, Git, GraphQL, React, JQuery, XML and C.

EDUCATION

The University of Edinburgh - 2015 - 2019 (Expected)
BSc. (Hons.) Computer Science. On track for at least a 2:1.



RELEVANT EXPERIENCE

Software Engineering Intern at Administrate - Summer 2017



- Administrate has been selected as one of the UK's most promising startups.
- Selected as one of two interns from over 300 applicants.
- Worked as an equal in an agile team planning and developing two major projects:
 - Integration with Xero to allow for smoother and safer payments for customers.
 - Upgrading all legacy data tables to a more extensible component using React and GraphQL.
- Increased team productivity by over **15%**.
- Offered a part time position while continuing my studies.

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

- **Completed the core functionality of a semester long project in two weeks - Android**
This has allowed me to focus on more interesting features like multiplayer and integration tests.
- **Natural language processor coursework project - Python**
Scored **92%**. The processor read facts then answered questions on them.
- **Cache simulator coursework project - C**
Scored **95%**. The simulator read a memory address trace and gave statistics about cache accesses.
- **Innovation Award, "STEM in the Pipeline" Competition**
Used computer image analysis to calculate the volume of oil in a fictional field with near **100%** accuracy and in under **30%** of the time it would have taken to use the paper method suggested by the organisers.
- **Appointed Lord Lieutenant's Cadet for Kincardineshire as an Air Training Corps Sergeant**
Escorted the Lord-Lieutenant to the Royal Garden Party and various high profile local events.
- **Hackathon - 'BanterHack'**
Built an app that provided a notification if a predetermined source published an article with relevant keywords. Awarded **"Best Use of API"** by Pusher, one of the sponsors.