JOHN **BURKE**

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A quick learner prepared to work hard. Reliable and punctual.

I am a second year Computer Science student currently attending Trinity College Dublin.

EXPERIENCE

JUNE 2019 – AUGUST 2019
QUALITY ENGINEER INTERN, HAUGHTON MIFFLIN HARCOURT
Writing performance tests using Scala and Gatling DSL. Worked closely with Data Analytics to devise a program to simulate a group of users running through a web application.

APRIL 2019 – JUNE 2019
PHP WEB DEVELOPER, JDM
Key responsibilities include extending existing web applications, writing unit and e2e tests to prepare for production.

EDUCATION

SEP 2018 - PRESENT
MSC IN COMPUTER SCIENCE, TRINITY COLLEGE DUBLIN
89% GPA currently in my second year of Integrated Computer Science.

2012 - 2018
LEAVING CERTIFICATE, MALAHIDE COMMUNITY SCHOOL
Graduated with 601 points in my Leaving Certificate and received awards for outstanding achievements in Technology during both my Junior and Leaving Certificate years.

SKILLS

Programming
- Java, Python, Scala, Gatling, C, JSON, ARM assembly.

Leadership
- Have been a mentor at the CoderDojo in Malahide since 2018.

ACHIEVEMENTS AND INTERESTS

- Achieved overall grade of 1.1 during my first year of college.
- Won first place at the Arista Coding Competition in 2019 in college.
- Won Best Project in First Year Programming Project Class

PROJECTS

IMPLEMENTATION OF OPENFLOW

Java based implementation of OpenFLow; a network protocol designed to direct and manage traffic between routers and switches of various vendors. Implements Link State Routing using Dijkstra's Algorithm to allow the program to change routes as it scales.

RAADIT – SOCIAL MEDIA APPLICATION

Java based forum similar to 'Reddit'. Shows a user feed stored on a SQL database and allows a user to create an account and post themselves. Implements a search function for certain posts and allows for filters in the search. Won the Best Project during a first-year class.

PI SECURITY CAMERA

Python powered security camera made using a Raspberry Pi. The project uses an ultrasonic sensor to detect motion and takes a picture when it does.