# Bill O'Hanlon

Hard-working and highly motivated third level graduate

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## EXPERIENCE

### JP. Morgan & Chase — *Software Engineer 1*

April 2022 - Now

I work on each part of the technology stack for an in house application. The stack is as follows:

- Frontend: HTML, CSS, AngularJS
- Backend: ASP.NET MVC, C#
- Database: SQL Server

My responsibilities are varied but include creating new functionality, maintaining existing services, testing and creating automated workflows / report deliveries.

Since joining, I've learned new technologies and languages, and strive to learn more.

Technologies used : ASP.NET MVC, C#, AngularJs, SQL Server

### AWS — *Software Dev Engineer Intern*

August 2021 - December 2021

I worked on improving and extending the testing framework used to affirm the status of AWS SES products and regions. This was a large project which introduced changes to reduce developer effort when creating and maintaining tests, along with alarm / logging standardisation.

I learnt a significant amount from this internship, both in terms of soft and hard skills.

Technologies used : Java, Spring, Ruby, AWS products.

### DCU — *Lab Tutor*

2018 - 2020

I worked with DCU on three separate occasions as a part time lab tutor.

– In second year, I tutored first year software engineering students for their Python labs, as part of their year long programming module.

– In my third year of my degree, I tutored second year students for their

## ACHIEVEMENTS

Completed a J1 program in the summer of 2019. This was a fantastic opportunity, which enhanced my confidence and instilled in me a strong work ethic.

During secondary school, I taught a basic computer class to senior citizens every Tuesday after school.

I was also awarded a bronze medal Gaise Presidential, for completing various achievements including thirteen weeks of community involvement.

Completed numerous hikes and trails across America and Ireland, namely climbing to Clouds Rest in Yosemite National Park, California and Carrauntoohil in County Kerry, Ireland.

## INTERESTS

Going to the gym

Traveling

Hiking

Chess

semester-long module on assembly level programming.

- I worked as a general lab tutor for the first semester of my final year. This involved tutoring both first and second labs over various computing modules.

This opportunity allowed me to enhance my communication skills, especially in terms of conveying technical / computing concepts. It also gave me a deeper understanding of the programming languages and technologies I had previously learnt.

## LANGUAGES

C#, Python, Java, MySQL, HTML, CSS, Javascript

## TECHNOLOGIES / LIBRARIES

ASP.NET MVC, AngularJS, AWS, Flask, Keras, Numpy

## EDUCATION

### DCU — *BSc. Computer Applications & Software Engineering*
September 2017 - May 2021

Achieved First Class Honours

### St. Patrick's College Cavan — *Leaving Cert.*
September 2011 - June 2017

Received 542 points

## PROJECTS

### Orthodox MMA Trainer — *Final Year Thesis*

Created a progressive web application which utilised pose estimation and computer vision to predict a user's technique / form in regards to certain strikes used within mixed martial arts, such as a jab. This required creating datasets from scratch, utilising BlazePose, and using these datasets to train multiple classifiers. Dataset available on Kaggle:

https://www.kaggle.com/billohanlon/jab-technique-prediction-with-body-landmark-data

Technologies used : Python, Flask, Numpy, SciKit-Learn, Pandas, BlazePose

### Sign Language Translator — *Third Year Project*

Designed and trained Convolutional Neural Networks to translate Irish Sign Language from pre-recorded video into audio.

This communication channel has the potential to greatly decrease the impacts of deafness, and other communication disorders, which could reduce loneliness and isolation in these communities.

Technologies used : Python, Numpy, Keras