# Tomasz Wisniowski

## Computer Science Student - Trinity College Dublin

A Computer Science Graduate from Trinity College Dublin with experience in programming, database management, data sciences and a proven academic background. A self-motivated and ambitious team player who is an asset to any project and thrives on new challenges. Possesses a diverse set of skills derived through studying, research and working in professional environments. Striving to secure a position within a progressive organisation which will allow me to learn and further develop my skill set.

✉ tomasz.a.wisniowski@gmail.com  📱 0852531421

📍 Kilcock, Co.Kildare  🌐 tomaszwisniowski.com

in linkedin.com/in/tomasz-wisniowski-495312181

## WORK EXPERIENCE

### Internship
IBM

*06/2019 – Present*  *Damastown Industrial Park, Dublin*

*I worked on numerous European funded projects (Horizon 2020 | The EU Framework Programme for Research)*

*Achievements*

- "IBM for Data Science" Badge
- "IBM Agile Explorer" Badge

*Contact:* Ryan Gallagher - ryangall@ie.ibm.com

### Plumber's Assistant
Merlon Contractors

*07/2016 – Present*  *Kilcock, Kildare*

*Building Services*

*Contact:* Michael Deegan - (086) 239 5170

### General Worker
Cosan Bui

*06/2011 – Present*  *Dublin / Lucan / Kilcock*

*Contact:* John Coyne - (086) 252 1440

## EDUCATION

### Current Education:
Trinity College Dublin - Bachelors Of Computer Science

*09/2016 – Present*  *Dublin*

*Courses Completed:*

- Java Programming & Data Structures
- Object-Oriented Design
- Human Computer Interface
- Assembly Language Programming
- Database Management Systems

### Past Education:
Clongowes Wood College - Leaving Certificate

*09/2010 – 06/2016*  *Clane, Kildare*

*Leaving Certificate Honours:*

- Mathematics
- Physics
- Polish
- Geography
- English
- Business Studies
- Latin

## SKILLS

Fluent Polish | Fluent English | React.js
Vue.js | Node.js | Django | Firebase
MongoDB | AWS | MySQL | Expo
React-Native | Git | Linux | Agile

## ACHIEVEMENTS

Internet Applications - I
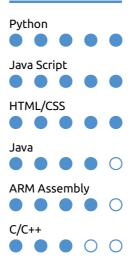
Compiler Design - I

Computer Architectures - II.1

Software Engineering - II.1

Microprocessors Systems - II.1

Information Management - II.1

Scholarship to Clongowes Wood College (09/2010 – 06/2016)

## LANGUAGES

Python
● ● ● ● ●

Java Script
● ● ● ● ●

HTML/CSS
● ● ● ● ●

Java
● ● ● ○

ARM Assembly
● ● ● ● ○

C/C++
● ● ● ○ ○

# PERSONAL PROJECTS

### Machine Learning - Mortality Prediction Regarding Patients With Hepatocellular Carcinoma
- My final year project is based on machine learning to broaden my skill set.
- The project involved data preparation as well as model building and training.
- I achieved excellent results and accuracy using a simple logistic regression model.

### Machine Learning - Income Prediction
- My first contact with machine learning was an "Income Prediction Competition" in which I placed 39th out of 320 students.
- To place highly quite a few advanced techniques had to be applied. Missing value replacement, algorithm comparison, K-Fold Cross Validation etc.

### IBM Visitor Sign-In Form
- I designed and developed a web application which would allow all branches of IBM-Ireland to sign in visitors.
- The application was written using React.JS and is currently used by all of IBM-Ireland.

### IBM - Horizon2020 - ALIVER Project
- I worked on a team called the Innovative Exchange, which takes on European H2020 projects.
- The project focuses on patients with acute-on-chronic liver failure.
- IBM developed a model which given certain patients bio-metrics as features, predicts the patients mortality.
- I was tasked with creating a web application for doctors. The application would display the predicted data in the form of graphs and charts for every patient in the ward.

### Secure Cloud Storage
- I created a secure cloud storage application for Google Drive in Python.
- The application will secure all files that are uploaded to the cloud, such that only people that are part of my 'secure cloud storage group' will be able to decrypt my files, to all other users these files will be encrypted.
- The application allows you to encrypt or decrypt files in the drive, add or remove users from your secure cloud storage group, list all the files in the drive or list all the users in your group.

### Proxy in Python
- I developed a web proxy with Python that can respond to HTTP & HTTPS requests, handle websocket connections, dynamically block URLs via a management console.
- The server can also efficiently cache requests locally thus saving bandwidth and can handle multiple requests simultaneously by implementing a threaded server.

### Weather Forecast Application
- I designed and developed a simple weather forecast application which dynamically gathers and displays data from "api.openweathermap.org".
- I used Vue.JS for this project.

### Cloud Database Using AWS
- I created an application using DynamoDB and Vue.JS
- It allows the user to create, populate and then query a database through their web browser
- The results of the query would then be displayed to the user in their web browser.

# INTERESTS

Fitness   Rugby   Soccer   Gaming

Computing   Traveling

## SCAN ME