

Seamus Woods

Computer Science Student - Trinity College Dublin

Innovative and hard working third year Computer Science student pursuing a masters. I am seeking an internship in the field of Computer Science in order to develop my skills and would love to work in a good company who will provide me with a rewarding career and an opportunity to grow as a person.

sewoods@tcd.ie ✉

+00353 85 287 2592 ☎

Dundalk, Ireland 📍

www.seamus-woods.com 🌐

linkedin.com/in/seamus-woods in

github.com/Woodse07 🐙

WORK EXPERIENCE

TDP Intern (Software Engineer) UnitedHealth Group - Optum

06/2018 – 08/2018

Dublin, Ireland

Achievements/Tasks

- 3 month internship to work on a project which was run through an Agile Environment.
- Our task was to create an application that would be able to navigate the Human Phenotype Ontology and increase accuracy in labeling patients.
- Built application through Angular.
- Utilized the D3.js library to program a force directed graph of the ontology.
- Integrated a machine learning model to recommend HPO terms based on a patient's ICD codes.
- Collaborated with the US interns and integrated their API and neo4j(graph database management system) into our application.
- Participated in several workshops (e.g.) A11y(Accessibility) and UX.

GROUP PROJECTS

UK Land Registry Project (03/2017 – 04/2017)

- First Year Project - Team of 4.
- Created a standalone Java application to explore data on property transactions in processing, an open-source graphical library and integrated development environment / playground built for the electronic arts, new media art, and visual design communities.
- More details available on Github.

Genomics Labeling tool (06/2018 – 08/2018)

- Optum Project run through Agile environment - Team of 3.
- During my time in Optum I created an application through Angular with the goal of navigating the Human Phenotype Ontology and to help increase the accuracy of labeling patients.
- More details above in 'Work Experience'

GP Near You (01/2019 – Present)

- Third Year Project - Team of 7
- Group consists of third years and second years, second years are purely developers, third years are managers / developers.
- Project goal is to create a web application with an interactive map which shows the location of GP's in your area. From there you can click on a certain GP, see their availability and book an appointment with them.
- Aimed for people who are not familiar with the area and want to book an appointment with a GP fast.

EDUCATION

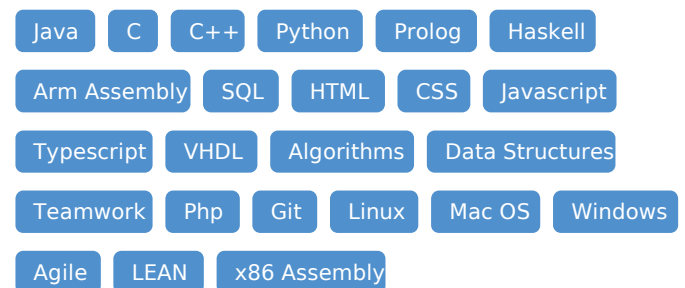
Integrated Computer Science Trinity College Dublin

09/2016 – Present

Courses

- 1st Year Grade: I
- 2nd Year Grade: II.I
- 3rd Year Grade(Sem 1): I
- Running Average: I

SKILLS



ACHIEVEMENTS

Trinity Employability Award (in partnership with Intel)
(10/2018 – 03/2019)

Including several workshops such as 'Model Based Problem Solving' and 'LEAN' both in Intel.

Graphics Cup (05/2016)

Secondary School End of Year Awards - Awarded for top performance in the school for the subject Design and Communication Graphics.

COURSE MODULES

First Year (09/2016 – 05/2017)

Mathematics / Intro. to Programming / Programming Project I / Intro. to Computing I + II / Electrotechnology / Digital Logic Design / Telecommunications I / Computers + Society

Second Year (09/2017 – 05/2018)

Algorithms + Data Structures / Programming Project II / Systems Programming I / Concurrent Systems + Operating Systems / Microprocessor Systems / Computer Architecture II / Telecommunications II / Information Management I / Discrete Mathematics

Third Year (09/2019 – Present)

Symbolic Programming / Software Engineering / Computer Architecture II / Compiler Design I / Intro. to Functional Programming / Information Management II / Computational Mathematics / Software Engineering Group Project / Concurrent Systems I / Statistical Methods for Computer Science / Advanced Telecommunications / Artificial Intelligence

Blue = I (70%+) Green = II.I(60-70%) Orange = II.II(50-60%) Grey = In progress

LANGUAGES

Java	●	●	●	●	●
C/C++	●	●	●	●	○
Python	●	●	●	●	○
Javascript	●	●	●	○	○
TypeScript	●	●	●	○	○
Arm Assembly	●	●	●	●	●

INTERESTS

