

JOHN KEANEY

Toothfield, Manorhamilton, Co.Leitrim

087 687 0657 ♦ keaneyjo@tcd.ie

EDUCATION

Integrated Computer Science Student, Trinity College Dublin

August 2018 - Present

Second Year Student, School Of Computer Science and Statistics

PREVIOUS WORK EXPERIENCE

Software Engineer Student for SureWash

January 2020 - April 2020

I worked with the hygiene company SureWash, under the guidance of the CTO in App Design. Majority of my work involved the creation of a Germ Detection App using JavaScript and the OpenCV.js Library.

Leaving Certificate Scribe

Summer of 2019

Reading & Writing Aid for Leaving Certificate Students

PROJECTS

SureWash SureCoverage Germ Detection App

A Germ Detection Cross-platform App written in JavaScript. Built using the Cordova Framework and OpenCV.js Library. Functionality also includes Hand Sanitation Tutorials & Info on COVID-19.

Huffman Binary Tree Encoder

C program which creates a Huffman Binary Search Tree from a sample .txt file. Used to provide efficient memory storage through encrypting and decoding.

Hacker News Interface Clone

A Front End Interface developed using Processing. The program performs an analysis of 4GB of User Stories and Profiles to create a user-friendly UI fitted with statistics on the content of the data provided.

Command & Control Networking Protocol

Programmed in Java, this protocol uses a synchronized series of methods to send a Datagram Packet from Client to Broker and then forwards to Workers.

Connect 4 A.I. Assembly

A Connect 4 Game written in Assembly code. The code implements an "A.I. User" or 2-player multi-user. Results printed via UART with ASCII-Art. Matrix Multiplication used to compute winner.

SOCIETY / VOLUNTEER WORK

TCD Computer Science Society Secretary

February 2020 - Present

Primary liaison between DUCSS and our Speakers, Organising 1000 Euro+ Sponsorship Deals with Companies including Microsoft, Amazon and SIG.

TCD Computer Science Society Entertainments Officer

September 2019 - April 2020

Hosting for Events including Google, Microsoft, Hubspot & Arista. Head Organiser of CompSci Ball with 140+ Attendees. Co-host of Hackathons, including Arista Hackaton & TCD First Year Hackaton.

Undergraduate Programming Centre

September 2018 - Present

Mentorship Program to help new students with their academics when appropriate.

OTHER

Programming Languages Java, C, Assembly, JavaScript, React-Native, MATLAB, Git, Cordova
Programming Activities:

- TCD 1st Year Java Competition Top 10.
- Arista Coding Tournament Competitor Top 20.
- Invited to Google Open House Ireland (2019/20).
- Google HashCode Competitor (2020).