

# Eoin Pinaqui

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## Education

### Trinity College Dublin

BA (Mod) Computer Science (2018–2022)

I am a two-time Book Prize winner for my academic achievements as a Computer Science student in Trinity College Dublin.

- Second Year Grade: 1.1 (4.0 GPA Equivalent) - 90% overall
- First Year Grade: 1.1 (3.98 GPA equivalent) - 86% overall

### Naughton Foundation Scholarship

2018 Recipient

One of 36 recipients nationwide because my Leaving Cert results placed me in the top 0.01% of second level students in 2018.

## Professional Experience

### Software Development Engineering Intern

Amazon Web Services (AWS) (May 2018 – Sep 2018)

- Part of the AWS Lambda team in Dublin, Ireland.
- Backend project allows customers and operators to debug issues with Lambda functions more effectively.
- Golang, Python, Java and Javascript used during internship.

### Information Technology Intern

Wexford County Council (Jun 2019 – Aug 2019)

- Helped create an internal mobile application for the monitoring of ring-buoys using Javascript and UML.
- Protected over 700 work computers from security threats by managing the automated patch management process.

## Coding Projects

### Netsoc Webspaces

VueJS and Python Flask

Built the frontend and designed the backend for a web application that allows TCD Netsoc members to manage linux containers that their websites are hosted on. [Find this project on Github.](#)

### Data Science & Machine Learning Portfolio

Python

Created this portfolio to deepen my understanding of these areas. It includes projects that predict the price of housing in Boston and determines plant species. [Find this portfolio on Github.](#)

### Online Resume

HTML, CSS and Bootstrap

Created a responsive online portfolio to showcase my aptitude for design and frontend development. [Check it out here.](#)

### Open Flow Implementation

Java and Docker

Received 105% on this project in my Networking module. Project uses containers and implements Dijkstra's algorithm to route packets across a network of switches. [Find this project on Github.](#)

### Microcoded Instruction Set Processor

VHDL

Received 98% on this implementation of a microprocessor in my Computer Architecture 1 module. [Find this project on Github.](#)

## Technical Skills

- Extensively familiar with:
  - Java
  - Golang
  - Python
  - C/C++
  - ARM Assembly Language
  - HTML, CSS and Javascript
- Creative problem solving using algorithms and data structures.
- Deep understanding of telecommunications and the OSI stack.
- Vast experience with the design/implementation of microprocessor systems.
- Proven collaborative software engineering experience.
- Comfortable with boolean logic and circuit analysis.

## Leadership

- Class Representative for Computer Science in TCDSU 2019/2020.
- Elected to the STEM Ball organisation committee in TCDSU 2019/2020.
- Winner of the All-Ireland Rotary Youth Leadership Development Competition in 2017.
- Irish Youth Delegate in the European Parliament at a Euroscola event.
- Elected Spokesperson for Climate Action and the Environment at said Euroscola event.
- Level Head as a Sailing Instructor across Ireland.
- Elected Team Leader in all modules that require group work.