

# 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

Jupyter Notebook and 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

VHSIC Hardware Description Language (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.
- Scalable system design for large applications.
- Deep understanding of telecommunications and the OSI stack.
- Design/implementation of microprocessor systems.
- Proven collaborative software engineering experience.
- Extremely 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 in clubs across Ireland.
- Elected Team Leader in all modules that require group work.