CILLIAN SMITH

Computer and Electronic Engineer

CONTACT

- ✉ smithc36@tcd.ie
- ⌨ smithc36-tcd
- in linkedin.com/in/cilliansmith
- ☎ 086 392 5882

LANGUAGES

C/C++
OpenCV, OpenMP, OpenGL

Python
Scripting, Pandas, Tensorflow

Java
Springboot

Others
SQL, AWS, Bash, VHDL, MS Office

SKILLS

Linux & Command Line Interface (CLI)

Proficient in Linux, having used it for multiple academic modules and adopted it as my primary operating system for daily tasks.

Problem-Solving & Troubleshooting

Possess a strong aptitude for diagnosing and resolving technical challenges, backed by hands-on experience in diverse projects.

Adaptability to Tools

Quickly acclimate to new technological environments, tools, and frameworks. Regularly introduced to and proficient with varied toolkits and technologies throughout my degree.

BRIEF

I am currently in the 5th year of my integrated M.A.I. in Computer and Electronic Engineering at Trinity College Dublin. With a strong foundation in engineering principles and hands-on experience from internships, I am eager to start in a graduate position. I thrive in collaborative environments, quickly adapt to new technologies, and am committed to continuous learning and professional growth.

EDUCATION

Computer and Electrical Engineering : Grade I   `2019 - Present`
TCD - Trinity College Dublin

Currently working on a thesis in the field of Quantum Optimization. I received a First Class Honours 1st - 4th year. I have taken a wide range of engineering modules and been specialised in Electronic and Computer since 3rd year. Modules include:

- Computer Vision
- Digital System Design
- Deep Learning and Its Applications
- Algorithms for Quantum Computing

With a complete list of modules is linked below.

☰ Completed Modules

Erasmus : Grade I   `2023`
KTH Royal Institute of Technology Stockholm

Spend a semester studying in Sweden as part of the Erasmus+ program. Completed the following modules:

- Computer Graphics and Visualisation
- High Performance Computing
- Machine Learning
- Foundations in Cryptography

WORK EXPERIENCE

EO&T Infrastructure Analyst Intern   `Jun 23 - Aug 23`
Citi Bank

- Part of a team at Citi managing open-source software.
- Catalogued and scanned software packages for security threats and vulnerabilities.
- Implemented JSON validation for software bills of materials (SBOM).
- Gained insights into industry best practices.
- Familiarised with Agile development methodologies and key operational procedures.

Operator   `May 21 - Aug 21`
Novelplast Teorenta

- Worked at Novelplast, specializing in recycling PET material for reuse by manufacturers.
- Collaborated closely with the plant's mechanic and electrician, gaining hands-on experience.
- Responsible for maintaining the desired blend of raw materials and organizing the warehouse.

Version Control

Skilled in using version control systems like Git, ensuring smooth collaboration and efficient code management in team projects.

Hardware & Software Integration

Knowledgeable in bridging the gap between hardware and software, optimizing system performance and functionality.

SOFT SKILLS

Leadership

Demonstrated leadership as a Cinnire and spearheaded multiple group projects in college, guiding teams towards successful outcomes.

Teamwork & Collaboration

Collaborated effectively in diverse academic teams and played roles in event organization within college societies.

Communication

Honed strong communication skills through academic pursuits and active participation in societies, ensuring clear and effective conveyance of ideas.

Organisation & Time Management

Balanced rigorous college coursework with extracurricular activities, highlighting strong organizational skills and the ability to prioritize tasks efficiently.

Presentation

Regularly delivered impactful presentations during coursework and as part of my internship. showcasing the ability to convey complex information clearly and engage diverse audiences.

ORGANISATIONS & SOCIETIES

Trinity Barbell
Safety Officer `2021/22`

- Organised purchase of new equipment and maintained current equipment.
- Ensured safety of members while training and competing in competions on campus.

DU Engineering Society
Ordinary Committee Member `2021/22`

- Organised social events for members, such as Engineering Ball.
- Planned educational workshops for 3D printing and electronics.

Cinnire
Coláiste Na bhFiann `July 18 - Aug 18`

- Served as a Cinnire at Coláiste na bhFiann for 3 weeks, ensuring smooth course operations.
- Prioritized student safety and maintained cleanliness throughout the college premises.

EXTRACURRICULAR

3D Modeling: Design and printing of 3D models, for personal projects.

Self-Learning: Demonstrated a passion for continuous learning by independently acquiring skills such as playing the guitar.

Reading Enthusiast: Regularly indulge in reading non-fiction which aids in broadening my perspective and knowledge.

Powerlifting: Member of the Trinity powerlifting team, emphasizing discipline, strength training, and teamwork.

Travel: Enjoy exploring new cultures and places, which has helped me develop a global perspective and understand diverse viewpoints.