Rian Errity

+353 83 158-5172 | rian@paradaux.io | linkedin.com/in/rían-errity | github.com/ParadauxIO

Skills

TECHNICAL SKILLS	PERSONAL INTEREST	LANGUAGES
Java / JavaScript / React / Go / Python / Bash / React Inc. Native, PostgreSQL, Linux, DevOps Docker/K8s	Linguistics, Computer Science Pedagogy, NLP/ASR/Synthesis, Productivity Systems	Hiberno-English, French (C1)

Experience

Software Developer – Abair Project, Trinity College, Dublin, Ireland
- Developing Mobile Applications using React Native, React, Postgres and Node.js
- Managing Infrastructure for the entire Abair project, including a dedicated server with internal networking, VPN access, and monitoring tools such as Grafana.
- Lead Developer for an Irish AAC System, funded by Department of An Gaeltacht

06/2022 – Present
(over 1 year, on-site)

Demonstrator / TA – Trinity College, Dublin, Ireland
- Mentoring students through *Introduction to Programming*, improving their code comprehension, writing and overall quality during interactive lab sessions.

09/2023 – Present
(recently started)

Software Engineering Intern – Microsoft, Tallinn, Estonia.
- Worked on the PSTN Entitlement Service Team
- Developed a framework for executing synthetic tests in Azure DevOps (ADO) for the entitlement service, which serves Microsoft Teams, Skype for Business and Azure Communication Services

06/2022 – 09/2022
(3 months, on-site)

Programming Tutor – Olus Education, Remote, Ireland
- I taught classes to over 300 students aged between 7-18 across various subjects including Scratch, HTML/CSS/JS, Java (Processing) and Arm Assembly
- Developed Lessons and created scripts to alleviate administrative load.

03/2021 – 06/2023
(2 years, remote)

Education

Computer Science, Linguistics and French – Trinity College, Dublin
- Coursework included a basis in Algorithms and Data Structures, Software Engineering, Computational Linguistics as well as Formal Linguistics and French Language Studies

2020 – 2024
Bachelor of Arts, Moderatorship.

Computer Science and Linguistics – Université Grenoble Alpes, France
- Coursework focused on computer science and implementations of computer science with linguistics, with all course work done through the French language.

2022 – 2023
Erasmus Exchange

Projects

- **Geabaire: An Irish AAC System** (React Native Application) – Lead Software Developer, Abair Project
  I'm developing an Irish-language alternative and augmentative communication (AAC) tool to allow non-verbal individuals to be able to produce grammatical, synthetic Irish-language speech. Accessibility is currently inaccessible in the Irish language, it is lowering barriers to education and increasing access to government services through Irish.

- **Publications** – Abair Project
  Through my work with Abair I have co-authored two papers accepted into ISCA-affiliated proceedings including my work on Geabaire, an Irish AAC system and Mol an Óige, a framework for Irish-language phonological awareness.

Activities / Volunteering

- **SISTEM Conference**
  Organizing and managing the annual SISTEM Tech Conference including developing the website: https://sistemconf.com
- **Trinity College Dublin Students' Union**
  Class Representative (20-21) School Convenor (21-22) Oversight Commission Member (22-23.) Roles have involved being the student representative for the entire school of computer science.
- **College Societies**
  Formerly the Treasurer and SysAdmin for TCD Netsoc, The Computer Networking & System Administration Society.