Rían Errity – Curriculum Vitae as at 21/08/2023

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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	L1: English, L2: French (C1)

Education

2020 - 2024: TRINITY COLLEGE DUBLIN – Dublin, Ireland
- **Degree**: Computer Science, Linguistics and a Language (ICS)
- **Grade:** ~3.6 (II.I)

2022 - 2023: Université Grenoble Alpes – Grenoble, France
- **Degree**: Computer Science, Linguistics (Erasmus Program) studied through French.

Projects

- **Irish Language AAC System** (React Native Application) – Lead Software Developer, Research
  Working for abair.ie to develop an Irish-language alternative and augmentative communication tool to allow non-verbal individuals to be able to produce synthesized Irish-language speech.

- **SISTEM Conference** (Student Tech Conference) – Lead Organiser
  Organizing and managing the annual SISTEM conference, an Irish-based technology conference which happens in the first two quarters of every year for the benefit of a chosen charity, previous sponsors include Microsoft, Google, Stripe, HubSpot, and more.

Experience

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) Full Time

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, Graylog and building GitOps deployment processes with Github Actions
- Developing and consulting on various Irish-language projects
- Lead Developer for an Irish AAC System, funded by Department of An Gaeltacht

05/2022 – Present
(~1 year) Mixed

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) Mixed

Activities / Volunteering

- **SISTEM Conference**
  Organizing and managing the annual SISTEM Tech Conference. https://sistemconf.com
- **Trinity College Dublin Students' Union**
  Formerly Class Representative (20-21) School Convenor (21-22) and current Oversight Commission Member (22-23.) Roles have involved being a student representative for the entire school of Computer Science & Statistics
- **College Societies**
  Formerly on the Committees of TCD Netsoc, The Computer Networking & System Administration Society.
- **Leaving Certificate Performance Award**
  Received an award from my secondary school for achieving over 500 points in my leaving certificate examinations (520)
- **Children First Certified**
  Completed and maintained my Tusla Children First certificate
- **Open Source Participation**
  I have been an active open source developer across my own projects, mainly in the Minecraft Ecosystem.