

Ciara Gilsenan (she/her)

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Enjoys working in teams, passionate about problem solving, experience in web development, open to learning new skills in technology.

Education

Trinity College Dublin, M.Sc. with Distinction Computer Science - Intelligent Systems

September 2021 - August 2022

Dissertation: Exploring the Design and Implementation Implications of a Dialogue Mood Logger on a Voice User Interface

Trinity College Dublin, BA Computer Science, Linguistics and Language (German) First Class Honours

September 2017 - May 2021

Final Year Project: "I'm a Celebrity" - Developing Transformer-Model Chatbots with well-known Personalities

Work Experience

Software Development & Research Assistant, CLCS Office, Trinity College Dublin

May - October 2019, May - October 2021

- Deployed an Irish speaking chatbot to the site [An Scealaí](#) that runs Irish grammar exercises.
- Bot was implemented using Angular, ExpressJS, Rivescript, Typescript & Javascript.
- Also developed an interface where teachers can create and run quizzes on the bot for students.
- While in this position I also deployed an interface that creates a lesson plan by selecting a range of scenarios for an MPhil student's dissertation using the same tech stack.

Projects

Mood Logging Application

- Developed for M.Sc. dissertation using Google Actions, Node.js, Javascript, and Firebase.
- Application deployed to personal Google Assistant to facilitate dialogue mood logging.
- Provided weekly analysis of mood and dynamic conversations using webhooks.

Sustainable City Management App (M.Sc. Group Project)

- Developed full stack web application using Angular, Flask, Springboot, MongoDB & Docker.
- Application provided a real time dashboard showing info about current air pollution, Dublin bus schedules, Dublin bikes availability, and pedestrian coverage of Dublin City.

I'm a Celebrity Chatbot

- Developed for Undergraduate Final Year Project using Flask, Vue.js, HTML, and CSS.
- Chatbot was trained via transfer learning with the OpenAI GPT-Transformer and scraped Twitter data of various celebrities.
- Purpose of bot was to test whether their personalities were present in the bot's conversations.

Skills

Programming: Proficient in Python, Java, Typescript, Javascript, C++, Git, Angular, Vue, Express, React (beginner), Node.js, AWS, Azure, Firebase and Ionic (Briefly). Experience with Agile Framework.

Volunteering & Mentoring: Summer camp volunteer. Transition Year mentor to incoming first year students. "Student to Student" mentor at Trinity 2018/19.