Niall Craven

Full Stack Developer

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Education

MSc Computer Science

📍 University of Bath   📅 2024 - 2026 (Expected)

- Developed an Object Oriented ATM system in a distributed team, using Scrum practices
- Created a spam filter using neural networks in Python
- Distinction grades in all units with particularly strong coursework in Functional Programming, Databases and AI

BA Fine Art

📍 Newcastle University   📅 2010 - 2014

- Worked with Blender and Adobe Photoshop to create new media art
- Worked with Baltic Museum, Gateshead, in a digital archiving project, including methods for handling large image and video file formats in storage.

Work Experience

Lecturer

Department of Electronics

📍 Bucheon University   📅 Mar 2021 - Present

- Lead a number of classes including 'Data Skills for Engineers', 'English for Engineers' and others
- Maintained online learning environments for students to use distance learning resources
- Taught students to effectively use databases, SQL queries, and data pipelines in Python and Bash

Online Lecturer

English Language

📍 Korea Cyber University   📅 Sep 2019 - Present

- Produced written, audio and video resources to teach effective English communication
- Managed students online grades and delivered personalised feedback and learning aims

Achievements

KSAAC Excellence Award

📍 Korean Society of Augmentative and Alternative Communication   📅 2020

Awarded for developing an emoticon set targeting youths with communication disabilities.

Poster Presentation

📍 Digital Contents Society - Summer Conference   📅 2025

Lead developer on research team proposing a chat simulation game to prevent online grooming among individuals with developmental disabilities.

Intro

Motivated developer with extensive experience in visual design and online education, looking to bring this expertise to a development role.

Proficient in Python, Typescript and Java (Spring Boot). Experience developing web applications with Svelte, React and React Native, and developing REST APIs with Express and Spring Boot.

Skills

Programming	Typescript, Java, Python, SQL
Front-end	React, React-Native, Tanstack, Svelte, HTML, CSS
Back-end	REST APIs, node.js, Express.js, Spring Boot
Database	PostgreSQL, MySQL, JDBC, Prisma
Tools	Bash, Git, TDD, Agile
Design	Figma, Adobe, Blender
Languages	English, Korean

Profile

Communication:
10 years experience in education and visual design has given me the skills to clearly and efficiently communicate and convey complex ideas, abstract concepts and customers' visions.

Curiosity:
The ability to adapt and thrive in various different domains, and to continuously improve my skills comes from a deep desire to learn new skills and hear new ideas.

Creativity:
A unique perspective on problems and ability to find creative solutions is something I bring into software design and development.