

# Niall Craven

Software 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 - Bucheon, South Korea      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
- Ensured student wellbeing and provided individualised monitoring for students' progress

### Online Lecturer - English Language

- Korea Cyber University - Seoul, South Korea      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
- Liased with professors on strategies for improving online lecture materials

## Intro





Motivated developer with extensive experience in visual design and online education, looking to transition into backend development.

Proficient in Python, Javascript and currently studying Java (Spring). Wealth of experience developing web applications with Postgres, Express, React and Node.js.

## Skills

Programming Languages	Javascript, Python
Back-end Development	REST APIs, node.js, Express.js, SvelteKit
Database Management	PostgreSQL, MySQL, MongoDB, Prisma
Front-end Development	React, Svelte, HTML, CSS
Tools & Environment	Bash, Git, TDD, Agile methodologies, Object-Oriented programming
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.
-  **Craftsmanship:**  
A love of programming that goes back to childhood: while I get excited by new fields and opportunities, I prioritise strong fundamental knowledge of a core systems and technologies.