

Daniel Allott

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Skills

Javascript - 4 years, HTML - 4 years, React - 18 months, Typescript - 1 year
Jest/JS Testing - 3 years C# - 6 year C++ - 1 year

Work & Education

Frontend Developer at BrightHR

2021 - Present

BrightHR provides H&S tool to businesses and the Peninsula group
Developed safety web forms for workplace accident reporting
Scaled up existing products for businesses with larger user bases
Major contributor to internal react components monorepo

Developer at CANDDi

2020 - 2021

CANDDi provides software for identifying website visitors
Responsible for maintenance and new features on CANDDi websites
Tested and Improved Javascript front end and API code
Analyzed and improved UK Company web scraper

University of Nottingham

2018 - 2019

MSC computer science.
Pass with merit 67%.
Dissertation project grade 74%.
Final year project on virtual reality visualization of phylogenetic trees.
Modules including: Advanced Algorithms and Data Structures, Design
Ethnography, Mixed Reality Technology, Linear and Discrete optimization,
Games.

University of Hull

2015 - 2018

BSC computer science.
Upper second class honors.
Final year project on board game simulation and optimization.

Ashton sixth form college

2013 - 2015

A-levels in: Mathematics B, Computer science C, Physics C.
AS-level in: Further Maths D.

Glossopdale

2007 - 2013

GCSE: A* A A A B B C C C

Experiences at BrightHR

- Innovated FE solution to localize health and safety form based on local. Changes such as simple language differences to complex ui changes such as fields being required, optional, or missing.
- Guild expert on libraries such as Formik and React Query. Advocating for use cases that reduce boilerplate while avoiding pitfalls and making code too opinionated.
- Major proponent and contributor of internal component library 'Bright-UI'. An initiative set up to keep products consistent between UX and FE developers as well as across the estate of applications.

Experiences at CANDDi

- Responsible for maintenance of the CANDDi.com website using jekyll. Adding new features and building other static sites.
- Worked on improving a web scraper that obtained UK company data from websites, major additions such as filtering by domain ending.

Education Project work

Virtual reality visualization of phylogenetic trees

Final year project for Nottingham MSC. A phylogenetic tree is a hierarchical graph used to represent evolutionary relationships between organisms. The project aimed to innovate phylogenetic tree visualization by using a number of different techniques. Most notably the use of 3D, VR, sphere coordinates, and hyperbolic space.

Games and Game-Jams

Two time winner of the Hull University game-jam Three Thing Game, one time as the sole programmer (for examples see website).

C++ Projects

A C++ program including sudoku solver and an optimized hash table.