RUPERT CARR

Penultimate Year | BSc in Computer Science @ University of St Andrews

@ rupertcarr@hotmail.co.uk   📞 +447946068206   ✉ Combe Edge House, Brassknocker Hill, Bath, BA27HT

📍 St Andrews, United Kingdom   🔗 rupert-carr-4b88241b6   🐙 rupert648

EXPERIENCE

Shadow Web Developer
Novia Financial

📅 June 2016   📍 Bath

- Aided in analysis and shadowed redevelopment of company intranet site. Initial analysis and presentation of findings led to IT Director's agreement to the redesign and relaunch of the site. I received excellent feedback on my work and the results.

Data Science Placement
MyLife Digital

📅 July- August 2019   📍 Bath

- Shadowed the data science team and created a statistical model using survival analysis to evaluate the expected future performance prospects for professional skiers.

Various Summer Jobs

- Packhorse Pub (Bartender/Waiter), Dorothy House Hospice (shop assistant), deliveroo (delivery driver).

EDUCATION

BSc Computer Science
University of St Andrews

📅 2018 - Current   📍 St Andrews

- All grades between 80-100%. On track to achieve 1st class degree.

Secondary School Education
Prior Park College

📅 2011-2018   📍 Bath

- 4 A-Levels: Maths A*, Further Maths A*, Physics A*, Chemistry A*, 11 GCSE A*s

EXTRA CURRICULAR

- **Computing Society Treasurer**
  Entrusted with the management of the university of St Andrews computing society's budget and funds.

- **Badminton Social Secretary**
  Previously held role of the social secretary for the badminton club at my university. Helped me develop my interpersonal and communication skills.

- **Competed Nationally in Skiing**
  Reached top 20 in England in my age bracket and partook in intense training camps.

PROJECTS

- **VueJS & Rust Social Media Site**
  Designed and implemented a Federated Social Media site using the Activity Pub protocol. Created reactive VueJS frontend served by a rust (actix) backend accessing an SQL Database.

- **Haskell "reversy" Game Implementation and AI**
  Used alpha beta pruning to integrate an efficient, effective AI in Haskell. Game implemented with network capabilities for cross-machine play.

- **NodeJS & ReactJS "University Finder" Web Application**
  Created a React web application in which users are matched to a UK university based on form answers. NodeJS API with a MongoDB database to store university information.

ACHIEVEMENTS

- 🏆 **St Andrews Deans List**
  Won Dean's list prize in first two years of university. Showing equivalent of 1st class results.

- 🏆 **School A Level Prize for Outstanding Results**

- 🏆 **Gold Award in both National Physics Olympiad & Mathematics Kangaroo Challenge**

TECHNOLOGIES

Intermediate to advanced Level

`Java` `Rust` `Python` `JS/NodeJS` `HTML` `C` `CSS` `VueJS`

Basic Level

`Haskell` `SQL` `MongoDB` `Prolog` `ReactJS`

Other Technologies

`Linux` `Git/Github` `Gitlab` `CI`