

# George Cherry

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## Education

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### University of Oxford, St. Hugh's College

- Reading Master of Physics (MPhys)
- Graduating 2021, predicted 2:1

### Queen Elizabeth's Hospital

- A\*A\*AA at A Level
- 7A\*s and 3As at GCSE, and A in OCR FSMQ

## Experience

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### Software Engineering Contractor *University of Oxford, Maths Department*

*Jul-Dec 2020*

- Designed and developed a browser-based drawing game for a citizen science initiative
- Implemented complex restrictions on user input and optimised algorithms with respect to time, achieving high game performance and a friendly UX
- Worked with multiple front-end frameworks to deliver the requested specifications
- Currently developing additional functionality to randomise the difficulty of game restrictions, allowing for a broader range of data to be collected

*(LAMP Stack, Git, Paper.js, jQuery)*

### Quantitative Research Intern *Q:INSURANCE at QOMPLX*

*Jul-Sep 2019*

- Examined the competitive environment and industry trends of an international market to support the potential entry of a new insurance model
- Cleaned, contextualised and enriched Big Data through in-depth research into sectors affecting the insured, providing a foundation for the model
- Presented my findings to senior management who agreed to proceed with the model

*(R, Python, Plotly, Scala, Big Data, Quantitative Analysis, Model Development)*

### Software Engineering Lead *Varsity Careers Hub*

*Jul-Sep 2019*

- Led the technological development of a graduate recruitment startup, including full stack development, DevOps and database architecture for the web app
- Balanced the differing requirements of multiple stakeholders by devising and implementing a new process to analyse their priorities – this was particularly important as the app developed and grew in complexity
- Collaborated closely with cofounders to grow the userbase five-fold and introduce new clients to the platform
- Devised an incentive-based referral scheme that cofounders adopted and I developed
- The popularity of the software led to the company receiving investment

*(LAMP Stack, Git, jQuery, Database Architecture)*

### Software Intern *Gresham Tech*

*Jul-Sep 2018*

- Facilitated migration of the company's test-tracking system by designing two programs
- Built a code-editing program that updates ID tags throughout the entire codebase
- Developed a program that transfers Java annotations of test methods into test reports produced during the Maven Build Cycle
- Resulted in improved efficiency of the company's development cycle and management

*(Java, JUnit, JBehave, Spock/Groovy, Postman, Git, Jira, BDD, Agile, Kanban)*

## Technical Skills

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**Programming Languages:** Java, JavaScript, PHP, React Native, Python, C++, R

**Tools and Technologies:** Git, MySQL, Node.js, AWS, LAMP stack, jQuery, MERN stack, HTML & CSS

## Other Experience

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- Practised programming through several passion projects, including web and mobile app development
- Competed in and adopted leadership roles for multiple engineering competitions, including Student Robotics and the International Space Settlement Design Competition
- Volunteered as a peer supporter and worked at university access events