

## EDUCATION

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- **University of Bristol** Bristol, UK  
*MEng (Hons) Computer Science* 2019 - 2023
  - **Teaching Assistant:** Imperative and Functional Programming, Mathematics for Computer Science A
  - **First year:** 88 overall (First Class); 98 in Functional Programming, 79 in Imperative Programming
- **The Cherwell School** Oxford, UK  
*A Levels* 2017 - 2019
  - **A\*A\*AAB:** Mathematics, Russian, Computer Science, Physics, Further Mathematics

## SKILLS

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**Languages** Python, JavaScript, C, C#, Go / Golang, Haskell, Java (order of descending proficiency)

**Technologies** React JS, Vue.js, Git, Github, Jira, Docker, Flask, Microsoft bot framework

**Fluent in** English, Ukrainian, Russian

## TECHNICAL EXPERIENCE

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- **Software Engineering Intern** London, UK  
*Commerzbank AG* Jun. 2020 - Sep. 2020
  - Developed React frontend for application that retrieves, views and edits nested bond information
  - Developed full-stack log monitor using React & Go for at-a-glance performance/health analysis
  - Used WebSockets & React-vis to display graphs of real-time data streams
  - Led to wider adoption of cloud technologies throughout bank as a result of presentations, proof-of-concept work and creation of documentation & tutorials as part of my team
- **Software Development Intern** Oxford, UK  
*Oxford Economics* Jul. 2018 - Aug. 2018
  - Developed & analyzed use cases for chatbot that queried APIs and presented economic reports in chat
  - Implemented spell check functionality by integrating a search engine, reducing invalid requests

## LEADERSHIP EXPERIENCE

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- **President** Bristol, UK  
*University of Bristol Computer Science Society* Jun. 2020 - Present
  - Oversaw handover and student union re-affiliation for a 13-strong committee
  - Initiated collaboration with EWB UCL and the University of Cambridge Competitive Programming Society
- **Intern** Oxford, UK  
*CodeRobin (Part-time, Remote)* Aug. 2019 - Sep. 2019
  - Led distributed team of 2 through part of Google's Widevine L1 certification process for an android tablet

## PROJECTS & COURSEWORK

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- **Reaction Training Game** github.com/MechyKola/ClickingCircles  
*Game with account system, scoring, player ranking* <https://clickyeet.herokuapp.com/>
  - Vue.js, Vuex & Vuetify.js web app frontend, Python & Flask API, Heroku Postgres Database
- **Sketch** github.com/MechyKola/Sketch  
*Imperative Programming (C) Coursework*
  - Wrote a program to convert between PGM (grey map) and a custom "Sketch" (vector) format, with unit tests

## ACHIEVEMENTS

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**Bris Hack 20** Environmental Category Winning Team

**British Mathematical Olympiad 2018-19** Merit

**Cherwell Debating Competition 2018** Finalist, ranked 3rd out of 16

**UK Maths Challenge 5** Gold awards