

EDUCATION

- **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 (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

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

Technologies ReactJS, Vue.js, Git, Github, Jira

Fluent in English, Ukrainian, Russian

TECHNICAL EXPERIENCE

- **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

- **President** Bristol, UK
University of Bristol Computer Science Society Jun. 2020 - Present
 - Led 13-strong committee to organize 10+ events with up to 100+ attendees
 - Initiated collaboration with 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

- **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

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