

# Nicholas Daskalovic

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## Education

### UNIVERSITY COLLEGE LONDON (UCL)

MENG COMPUTER SCIENCE  
2019 - June 2024

**Current Grade:** First Class

#### Relevant Courses:

Engineering Mathematics in  
Quantitative Finance, Software  
Engineering, Systems Engineering,  
Database theory, Compilers,  
Algorithms, Java Concurrency

### DULWICH COLLEGE

2012 - 2019

A-Levels: **A\*, A\*, A, A** in Maths,  
Computer Science, Physics, Further  
Maths

GCSEs: **10 A\*s**

OCR Free Standing Mathematics  
Qualification: **A-** best possible grade

Institute of Linguistics Additional  
French course: Merit

British Maths Olympiad: Silver medal

## Technical skills

### HIGHLY SKILLED

Python • HTML/CSS • OOP • Linux •  
Data structures • Git • Algorithms •  
Django • API Development

### SKILLED

JavaScript • SQL • Bash • React •  
pandas • NumPy • Tailwind CSS •  
Python CSV • Matplotlib

### HAVE EXPERIENCE

Docker • Bootstrap • Java • GLSL • C •  
PostgreSQL • Haskell • YAML • React  
Native • TypeScript

Additional:

Native fluency of English and  
Serbian, B2 level in French

## Experience

### SOFTWARE ENGINEERING WORK EXPERIENCE

IMAGINEEAR LONDON

📅 Jul - Aug 2017

📍 London

- Joined the software engineering team and worked on integration and hardware testing of a virtual tour guide system
- Performed research of possible improvements and market competitors

### FREELANCE SOFTWARE DEVELOPER

UPWORK | PART-TIME

📅 January 2021 – Present

- Top Rated Upwork freelancer for 2 years, 100% job success rate, \$10k+ earnings
- Have worked on many niche software projects including large data analysis, full stack web development and automation
- Profile can be viewed at  
<https://www.upwork.com/freelancers/~01ef4e985537642eca>

## Recent Projects

### A LEVEL MATHS NATION WIDE NEWSLETTER

📅 Jan 2021 - May 2021

Created my own online A Level Maths email newsletter with 600+ enrolled students across the UK using a proprietary subscription service stack.

### PROGRESSIVE WEB APPLICATION FOR THE NHS

📅 Nov 2021 – Mar 2022

Worked in partnership with NHS Wales on behalf of UCL to develop a progressive web application using React.

### HTTP WEB SERVER IN C

Created a HTTP web server in C from scratch to host my personal website [nicholasdaskalovic.com](http://nicholasdaskalovic.com)

### MONTE CARLO PATH-TRACER

Developed and implemented a reverse ray-tracing algorithm in GLSL using BRDFs, Monte Carlo integration techniques and multiple importance sampling.

### COMMAND LINE SHELL IN PYTHON

Led a team of 3 in a project to create a fully functional command line shell in Python with no additional libraries.

## Additional skills and experience

### BARTENDER

📅 Aug 2019 – April 2020

Worked behind the bar at a London pub. Gave me the opportunity to work on communication skills and team-related skills.

### PROFESSIONAL TENNIS PLAYER AND COACH

- Competed on Men's ITF World Tennis Tour in over 10 countries
- Was top 10 Surrey County player, ranked top 200 in the UK and top 50 in Serbia
- Have worked as a travelling coach with junior players at international standard for the past 2 years, touring 6+ countries
- Overall coaching experience of 7+ years