

# Cougar Rufus Tasker

📍 London, UK    ✉️ cougartasker@outlook.com    ☎️ +44 7597 029304    in cougartasker    🌐 CougarTasker

## Personal Profile

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Programmer interested in all things computer science, especially computer graphics and machine learning. I have a varied experience of application and full stack development, with a focus on Typescript/React software stack.

## Skills

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**Programming Languages:** Proficient in TypeScript, Python, and Java; adaptable to other languages based on project needs.

**Version Control:** Predominantly work with Git and Github, with additional experience using SVN and Gitlab.

**APIs:** Skilled in designing, implementing, and integrating RESTful APIs.

**Databases:** Ability to create database solutions, familiar with PostgreSQL, MySQL and ORMs such as Prisma and Drizzle.

**Deployment:** Proficient with IaC deployments with Kubernetes and Terraform to cloud platforms like Azure, AWS, and GCP

**Linux & Containerisation:** Extensive experience with Linux distributions for development and deployment.


## Education

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### Royal Holloway, University of London

Sept 2019 – July 2024

*MSci in Computer Science with Artificial Intelligence*

- Achieved First-Class Honours; 91% final year average.
- Thesis on Reinforcement Learning: [Effective Exploration in Markov Decision Processes](#) 
- Developed a robust Java calculator adhering to software engineering principles.
- Collaborated on a restaurant management system, Achieving a perfect 100% Grade.

### Havant and South Downs College

Sept 2017 – Aug 2019

*A-Levels in Computing, Physics, Maths, and Further Maths*

- Achieved grades: AABB
- Designed a renewable energy-efficient city for the 2050 E4E Challenge, placing third.

### Bourne Community College

Sept 2013 – Aug 2017

*GCSEs*

- Achieved a 9(A\*) in Maths, 5(B) in English, four A's, and two B's.
- Completed the Bronze Duke of Edinburgh Award
- Helped organise ChiPride event during the National Citizen Service Program.

## Experience

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### Software Developer

*Zing Dev Limited*

Paddington, London

June 2024 – present

- Returned as a graduate to continue developing Twilio solutions and myself
- Assisted new placements through zing's mentoring programme

### Junior Developer

*Zing Dev Limited*

Paddington, London

July 2022 – Aug 2023

- Year in Industry placement with diverse roles across the software lifecycle.
- Worked collaboratively with customers to implement Twilio solutions.
- Contributed to design, development, and support tasks.

**Paid Internship***Royal Holloway**Remote**Aug 2021*

- Built a data collection system for BBC iPlayer for integration with visualization software.
- Automated site interaction using Selenium and developed a relational PostgreSQL database.

**Team Member***Boston Tea Party**Chichester**Aug 2019 – Oct 2019***Steward***Goodwood Festival of Speed**Goodwood**July 2019***Waiter***Little London Café**Chichester**Jan 2017 – June 2019***Work Experience***Strawberry Soup**Southbourne**Nov 2015*

- Gained skills in Photoshop, usability testing, and data entry during a short internship.