

Cougar Rufus Tasker

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Personal Profile

I am Cougar, a 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 a Typescript/React software stack.

Skills

Programming Languages: TypeScript, Python, Java, and have worked with many more.

Version Control Systems: Predominantly work with Git and Github, but have used SVN and Gitlab.

API's: Created and used numerous third party RESTful API's.

Databases: Created SQL based applications with PostgreSQL and MySQL. Familiar with ORM's such as Prisma and Drizzle.

Deployment: Deployed Infrastructure as code solutions to Azure, AWS and GCP with Kubernetes and Terraform.

Linux & Containerisation: I have used many Linux distributions

Education

Royal Holloway, University of London

Sept 2019 – July 2024

MSci in Computer Science with Artificial Intelligence

- Final year average >90%, achieved First-Class Honours.
- Thesis on reinforcement learning: Effective Exploration in Markov Decision Processes
- Developed a robust Java calculator adhering to software engineering principles.
- Collaborated on a web-based restaurant management system (front-end, back-end, and SQL database).

Havant and South Downs College

Sept 2017 – Aug 2019

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

- Achieved grades: AAB
- 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

Software Developer

Paddington, London

Zing Dev Limited

June 2024 – present

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

Junior Developer

Paddington, London

Zing Dev Limited

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 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*

- Served tables, ensured customer satisfaction, and managed fast-paced operations.

Steward*Goodwood Festival of Speed**Goodwood**July 2019*

- Directed and assisted event attendees with professionalism.

Waiter*Little London Café**Chichester**Jan 2017 – June 2019*

- Progressed responsibilities from dishwashing to payment handling and customer service.

Work Experience*Strawberry Soup**Southbourne**Nov 2015*

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