

Cougar Rufus Tasker

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Personal Profile

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

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

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

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.