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

Liunx & 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   *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   *Remote*
Royal Holloway   *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   *Chichester*
Boston Tea Party   *Aug 2019 – Oct 2019*

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

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

Work Experience   *Southbourne*
Strawberry Soup   *Nov 2015*

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