

Ben Thornton

Staplehurst, Tonbridge

☎ +447428562974 | ✉ 11bthornton@gmail.com | 🌐 11bthornton | in ben-thornton-589763169

MEng Computer Science (First Class Hons), with Dean's List Award.

Software Engineer, C#, .NET & Blazor, Rust & WASM Enthusiast

Highly adaptable Software Engineer with a strong background in .NET, Blazor, **CI/CD** pipelines and cloud infrastructure. Mathematically and scientifically inclined with experience in data science. Passionate about high-performance, real-time applications with personal projects in this domain.

Experience

RDT Limited

Maidstone, UK

SOFTWARE ENGINEER

Jan 2024 - Present

- Developing and deploying web-based applications using **.NET** and **Blazor (C#)**, with a strong focus on **Test-Driven Development (TDD)**, **API design**, and best coding practices.
- Taking ownership of features, independently driving development, testing, and deployment while collaborating with cross-functional teams to ensure smooth releases.
- Contributing to **open-source projects** such as **Blazorise** to accelerate internal development, submitting pull requests to unblock dependencies.
- Actively involved in **mentoring** and **recruitment**—reviewing code submissions, providing feedback, and representing the company at career fairs to attract new talent.
- **Leading** daily standups, facilitating team discussions, and ensuring effective **cross-team collaboration** to maintain alignment and productivity.

ASSOCIATE SOFTWARE ENGINEER

- Delivered high-quality PBIs for web applications, mastering **.NET** and **Blazor**, and implementing features from design to deployment.
- Spearheaded **Infrastructure as Code (IaC)** using **Terraform** and optimized Azure DevOps pipelines for a critical project.
- **Mentored** apprentices and new hires, guiding them through feature development, testing, and best practices in code quality.
- Gained **AZ-900 Azure Fundamentals** certification from **Microsoft**
- **Promoted** to Software Engineer after one year

AstraZeneca

Cambridge, UK

BIOINFORMATICIAN DEGREE APPRENTICE (LVL 7)

Sept 2022 - Sept 2023

- Developed and optimized algorithms for drug discovery using **Rust**, and performed data analysis with **Python** and **R**.
- Used **Kubeflow** for scalable remote analysis of large datasets in cloud environments.
- Adapted quickly to new languages like **R**, delivering coursework within tight deadlines while working full-time.
- Gained experience with **Linux** system management and **Java** for application development.
- Completed training in time management and presentation skills to improve technical communication.

University of Southampton

Southampton, UK

STUDENT DEMONSTRATOR - AGILE WORKFLOW

Feb - May 2022

- Mentored and guided student teams in **Agile development**, overseeing the creation of **Java**-based applications.
- Led review meetings, provided technical feedback, and acted as a bridge between students and faculty.

Education

University of Southampton

Southampton

COMPUTER SCIENCE MENG HONS. **FIRST CLASS WITH DEAN'S LIST AWARD**

October 2018 - 2022

- **Year 1:** Excelled in Programming I and II, mastering Object-Oriented concepts in Java (scores: 80% and 84%). Achieved 100% in Data Management coursework demonstrating proficiency in Git Version Control. Overall first-year module average: 75%.
- **Year 2:** Explored Functional Programming in Haskell, including developing a unique programming language. Delved into Theory of Computing and Interaction Design.
- **Year 3:** Secured a First-Class Mark in Dissertation focused on software standards using Rust Programming Language. Advanced in Natural Language Processing, Machine Learning Technologies, and Web Infrastructure (**95% on a coursework involving HTML and CSS**). Yearly average: 82.5%.
- **Year 4:** Completed a Master's Dissertation on Trend Detection at Scale. Gained knowledge in Computational Finance, Software Security, and Project Management (PMBOK). Achieved a yearly average of **80.7%** and was honoured with the **Dean's List Award** for outstanding academic performance.

- **GCSE:** Achieved nine A* grades, including Mathematics, Computing, and French, plus three A grades.
- **A-Level:** Attained A* grades in Mathematics and Further Mathematics, and an A in English Language. Excelled in the Extended Project Qualification with an A*, creating a polling website using the **Laravel** framework. Received two subject awards, a distinction shared with only one other student.

Skills / Projects

Languages	Proficient in Rust , Python, and Object Oriented Languages such as Java (but could very easily pick up C#). Developing skills in C and JavaScript (React) . Familiar with PHP, HTML , CSS , Bash, SQL , LaTeX, Haskell, and R. Adept at rapidly acquiring new programming languages and technical concepts, as exemplified by mastering Rust.
Technologies	Experienced with both Windows and Linux environments, proficient in using Command Line Interface (CLI), and versed in Git and basic DevOps practices .
Frameworks	Knowledgeable in using Laravel . Although I have not yet worked with .NET Core, my proven ability to rapidly master complex technologies like Rust and my foundational skills in object-oriented programming make me confident in my ability to quickly adapt to and excel in using .NET Core and other technologies relevant to the role at Tribeca.
Projects	Club Booking System: Developed a system for a school to streamline their extra-curricular activities management. Worked closely with the Data Manager to gather requirements and implement the solution. F1 Data Drive: Created a telemetry application using Rust and a user interface in React for the F1 video game series, enabling racers to analyse and improve their driving skills. I learnt JavaScript from scratch to complete these projects.