

# TEA ELMING

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in Tea Elming

🐙 GitHub

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## SUMMARY

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Years of adapting lessons to different learners gave me a flexible, analytical approach, now applied to solving software challenges through clean, purposeful code. I enjoy designing efficient architectures, communicating my reasoning, and collaborating on meaningful features. Keen to join a team that values both independent thinking and joint problem-solving across diverse projects.

## EDUCATION

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### COMPUTER SCIENCE (BSC), LINNÆUS UNIVERSITY

09/2022 - (exp.) 06/2025

**Frontend:** HTML5, CSS3, JavaScript, React, Bootstrap, TypeScript, D3.js, JFreeChart, Recharts, Leaflet

**Backend:** Node.js, Express, Microservices, JWT Authentication, Docker

**Testing:** Jest, Test-Driven Development (TDD), Unit Testing, Postman

**Cloud & DevOps:** OpenStack, Terraform, Ansible, Docker, Kubernetes, Infrastructure as Code (IaC), CI/CD

**APIs:** RESTful API Development (HATEOAS, OAuth2.0), API Documentation, GraphQL (usage only)

**Databases:** MongoDB, MySQL, Database Design and Management

**Software Principles:** Object-Oriented Programming, Design Patterns, UML, SOLID Principles, Clean Code Practices, Dependency Injection

### Example Projects

#### Deprivation and Education Data Visualisation – GitHub: DeprivationEducationData

A web application allowing users to view the deprivation level and educational levels of individual LSOAs in England. Mapped view of available LSOAs or list-form.

Technologies: Node.js, Express, JS, D3.js, Leaflet, MySQL

#### Gitlab 3rd Party Viewing – GitHub: GitLab 3rd Party App

A web application allowing users (at the Linnaeus University) to log in to their GitLab account and view data s.a. latest activities, groups, and profile information.

Technologies: GraphQL, Gitlab API, OAuth2.0, JWTs, Node, Express, JS.

#### Tutoring Platform – GitHub: tuTea

A web application allowing users to sign up as students or tutors, upload resources, practice resources through games, set up goals and log time spent on activities for tracking purposes, assign other users as their tutors or students, and make public or private posts in a forum.

Technologies and Methodologies: TypeScript, React, Bootstrap, Recharts, MongoDB, Express, Node, SCRUM approach, creating and adhering to requirements specifications.

#### Text Classification – GitHub: Basic Text Classification

A basic text classifier which identifies the content of 300 Wikipedia articles and categorise them. Allows for both Bag-of-Words and TF-IDF approach, and applies 10-fold cross-validation.

Technologies and Methodologies: Python 3.10.\*, Scikit-learn.

### PRIMARY EDUCATION W. MATHS (MA), UNI. OF EDINBURGH

09/2016 - 06/2020

1st Class Honours

Topics (Mathematics): Linear Algebra, Calculus and its Applications, Several Variable Calculus and Differential Equations, Proofs and Problem Solving

Topics (Education): Pedagogy, Child Development, Educational Studies

### HIGH SCHOOL DIPLOMA, KUNGSHOLMENS GYMNASIUM

08/2013 - 06/2016

Natural Sciences, International Section

10+ A's, including Mathematics, Sciences, English.

*Mathematics 5 (highest level offered) – A, English 8 (highest level offered) – A*

## EXPERIENCE

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### Private Educator

09/2017 – Current

- Supported over 70 students aged between 5 and 60, including students with cognitive disabilities, behavioural difficulties, and from various socio-economic backgrounds, covering Mathematics (A-level), English (A-level), Science (GCSE), and Swedish (Business/C1).
- Proofread, edited, and translated (English to Swedish) complex technical documents, s.a. material for shareholder meetings, press releases, M&A documents, and other key communications.
- Guided a businessman to proficiency in Swedish, enabling him to conduct meetings confidently in the language after a year of lessons.
- Supported a student at risk of failing Mathematics (Scottish Nat4) to achieve their goal of studying Mathematics at university, resulting in acceptance to Birmingham in 2021.
- Elevated a student from the lower middle set in Mathematics to the top set, building confidence and competency.
- Assisted a student in moving from the second lowest set to the highest set in English over three terms.
- Prepared a student for Higher Mathematics GCSE, integrating first-year university linear algebra into the curriculum.
- Enabled several students to progress from no knowledge of Swedish to confidently working at a B2 level.

### Language Assessor, TLS

08/2021 - 08/2023

- Conducted oral and written language assessments according to the MOD and FCDO standards.

### Primary Teacher, West Lothian Council

08/2020 - 08/2021

- Adapted teaching methods and materials to meet the needs and interests of a class of more than 30 students, requiring constant critical evaluation of my own teaching to make improvements.
- Assessed, recorded and reported on child development, progress, and attainment to encourage continuous improvement against educational goals.
- Collaborated with colleagues to review data and develop instructional strategies to address student learning objectives.

## ADDITIONAL ACTIVITIES

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### Certificate, TEFL UK

150h Teaching English as a Foreign Language

04/2021 - 06/2021

### Edinburgh University Muay Thai

Coach (17-20), President (19-20), Secretary (18-19), Vice President (17-18)

09/2017 - 09/2020

### Stockholm Kickboxing

Head Coach, Children's Group

11/2014 - 06/2016

## LANGUAGES

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**Swedish:** Native

**English:** Fluent

## ADDITIONAL INFORMATION

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**Right to Work** (Settled Status)

**UK Driver's Licence**

*Based in Northumberland, happy to relocate.*