

CHANEL MORGAN

SOFTWARE DEVELOPER

Profile

I am a **self-driven** and **motivated** software engineer with a BSc in Computing Sciences and a solid foundation in programming, algorithms, and software methodologies. With one year of **professional experience** coding, debugging, and **collaborating** in an Agile team, I thrive in challenging roles that require **problem-solving** and **teamwork** to deliver high-quality results. Proficient in Python, Java, JavaScript, and C++, I am passionate about continuous learning and development. Notable projects include developing internal tools at Airbus and deploying a website for a dance company. As a **confident communicator** with **strong analytical skills**, I ensure clarity in my actions and expectations, enjoying the process of discovering solutions.

EXPERIENCE

INTERN SOFTWARE DEVELOPER

Airbus Defence and Space

July 2023 - August 2024

- Developed scripts and tools for internal data management, aiding data architects.
- Optimised data retrieval and streamlined workflows for data architects.
- Acted as **Scrum Master** in daily **Agile** stand-ups, ensuring clear **communication** and **collaboration**.
- Spearheaded creation of critical tools, significantly improving decoding of raw hex values.
- Architected solutions to streamline data workflows, enhancing internal data handling.
- Designed, developed, and **debugged** scripts for government-backed projects.
- Defined and revised technical **documentation**, test reports, and specifications.
- Built numerous **Java** scripts using **object-oriented** and **functional** approaches.
- Gained extensive software development experience in real-world industry settings.
- Demonstrated strong **communication** skills through **pair programming** and project meetings.

ASSOCIATE TUTOR

University of East Anglia

Sept 2024 - Present

- Assisted in delivering lab sessions, guiding students on topics including **Agile** vs. **Waterfall**, use **cases**, **requirements**, **ethics**, and **security**.
- Monitored and recorded student attendance and engagement across multiple small groups.
- Provided timely feedback on student work and answered queries related to lab tasks and course material.
- Collaborated with faculty members and other Associate Tutors to ensure smooth lab operations and effective student support.
- Helped facilitate discussions and **problem-solving** during lab exercises, promoting a hands-on learning environment.



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EDUCATION

EAST NORFOLK SIXTH FORM COLLEGE

2019 - 2021

A-Level Biology: A

A-Level: Chemistry: B

A-Level: Mathematics: A

UNIVERSITY OF EAST ANGLIA (UEA)

2021 - 2025

Predicted First

BSC in Computing Sciences with a Year Industry

SKILLS

- Web Design
- Design Thinking
- Wireframe Creation
- Front End Coding
- Problem-Solving
- Computer Literacy
- Project Management Tools
- Strong Communication
- Java
- Python
- C/C++
- JavaScript: NodeJs, ExpressJS, React
- Databases: SQL, MongoDB

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CREW MEBER

McDonald's

July 2019 - Present

- Strong **teamwork** and **communication** skills by collaborating with colleagues to ensure **efficient** service delivery in a fast-paced environment.
- **Problem-solving** abilities by addressing customer concerns swiftly and effectively.
- Strengthen my **leadership** skills as regularly being appointed area leader where I direct and monitor other crew members stations.
- This experience has equipped me with a strong **work ethic**, **attention to detail** and the capacity to **thrive under pressure**, all of which are transferable to a software engineering role.

PROJECTS

HARMONY STEPS & ELLIE MORGAN HAIR WEBSITES

Engineered a Flask-based backend application with robust server-side functionality and a ReactJS frontend with a responsive user interface, demonstrating proficiency in both Python and modern JavaScript frameworks.

FLAPPY BIRD AI L PYTHON

It uses Neuroevolution of Augmenting Topologies (NEAT), an evolutionary algorithm that trains an AI to play a game through multiple iterations. In each generation, the algorithm selects the best-performing agents and breeds them together. The goal was to enable the AI to complete the game of Flappy Bird.

PLANET SIMULATION L PYTHON

Developed a simulation depicting the orbits of three planets. Utilized fundamental physics equations to accurately calculate and model their trajectories, demonstrating a solid understanding of orbital mechanics and computational simulation.

- Jira
- Confluence
- XML
- Agile: scrum and Kanban
- Continuous Integration (CI/CD)
- Unit testing: Junit, mocha
- Docker
- Git
- SVN
- Github/Gitlab
- Software tools: IntelliJ IDEA, Eclipse, Visual Studio Code

CERTIFICATIONS

PROJECT MANAGEMENT FUNDAMENTALS

Coursea

VERSION CONTROL SYSTEMS

Coursea

AGILE SOFTWARE DEVELOPMENT

Coursea

REFERENCES

CHRIS BLADE

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LAUREN EMPSON

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