

# CHARLES MONG

## Front-End Web Developer

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LinkedIn: <https://www.linkedin.com/in/charles-mong> | Github: <https://github.com/CcMong>

Portfolio Site: <https://bit.ly/42nu6RM>

### PROFESSIONAL SUMMARY

Highly analytical and detail-oriented Engineer with a background in Oil and Gas and Investment Banking. Transitioning to a Web Development career to leverage a unique blend of critical thinking, creative problem-solving, business acumen, and project management skills. Proficient in multiple technologies, and experienced in developing solutions under pressure to optimise business operations.

### TECHNICAL SKILLS

**Programming Languages:** JavaScript ES6+, TypeScript

**Technologies:**

React.js	Next.js	HTML5	CSS	Bootstrap	Sass
Tailwind	jQuery	Node.js	Sanity	Netlify	Vercel
Git	Github	Jest	Figma		

**Others:**

Agile Methodologies, Test-Driven Development (TDD), Behaviour-Driven Development (BDD), User Experience (UX) Design

### PROFESSIONAL EXPERIENCE

**Trainee Front-End Web Developer**, edX / Trilogy Education Services

11/2022 - 03/2023

Leveraged UX design principles, fundamental knowledge of HTML, CSS and JavaScript, and style frameworks to create visually-compelling, intuitive, responsive and accessibility-compliant page layouts.

Learned the fundamentals of object-oriented- and functional programming paradigms, and combined data structures and flow control effectively to write more organised, modular and reusable code.

Retrieved data from servers using RESTful-compliant network API requests such as AJAX calls, Fetch and Axios. Applied DOM manipulation and jQuery in adding data and interactivity to web pages.

Collaborated within a project team to build and deploy two modern API-powered web applications with JavaScript, node.js, React.js and other front-end libraries. Gained experience in Agile development, code versioning and Git branching workflows, resolving merge conflicts, Unit Testing, Test-Driven Development (TDD) for code functionality, and Behaviour-Driven Development (BDD) for front-end UX.

### PROJECTS

[Weightless Weightloss](#) - Server API, React, React-Bootstrap, deployed on Netlify

A fitness app that helps users to plan and execute workout routines using only bodyweight exercises.

[Perfect Movie Night](#) - Two Server APIs, jQuery, Bootstrap, deployed on Github Pages

An app that aggregates information on movies and TV shows from all the biggest streaming platforms.

[Article Summariser](#) - Server API, React, Redux Toolkit, Vite, Tailwind CSS, deployed on Netlify  
AI-powered app that extracts articles or content from a URL, and quickly generates concise summaries.

Find out more information about these and other projects in [my Github account](#).

## **PREVIOUS EXPERIENCE PRIOR TO WEB DEVELOPMENT**

**Freelance Marketing and Business Strategy Consultant** 2015 - Present

Help domestic and foreign clients with business strategy and entry into new international markets.  
Coordinate agricultural and health-related projects for organisations such as UNICEF and GIZ in Africa.  
Created four African agrochemical businesses to provide training and employment within agriculture.

**Reservoir Engineer and Petrophysicist**, North Energy ASA, Alta Norway 2013 - 2015

Evaluated oil and gas well prospects by interpreting petrophysical data and performing PVT simulations during research and real-time drilling, to provide technical insights that managed the company's risk.

**Freelance Marketing Strategy Consultant** 2009-2012

Maximised the effectiveness and profitability of clients' online and offline marketing strategies. Helped clients in the Education industry to implement technology for tuition, examination and evaluation.

**Algo Sales Trader**, Lehman Brothers and Nomura Securities, London UK 2007-2009

**Mergers & Acquisitions Intern**, UBS, London UK Jul - Sep 2006

**Examiner and Examination Marker**, Pearson Edexcel, London UK Jul - Sep 2005

**Chemical Engineering Intern**, MW Kellogg, London UK Jun - Sep 2004

**Undergraduate Chemical Engineer**, MW Kellogg, London UK May - Sep 2003

**Undergraduate Process Engineer**, Foster Wheeler, Reading UK Aug 2002 - Mar 2003

## **EDUCATION**

**Master of Arts (MA(Hons) Cantab) in Natural Sciences**  
**Master of Engineering (MEng) in Chemical Engineering**  
Girton College, University of Cambridge [2003-2007]

**Certificate in Norwegian Language for Professionals**  
Universitetet i Tromsø, Alta, Norway [2012-2013]

**3 As at A-Level, 3 As at AS-Level**  
Greenford High School, London [2000-2002]

**7 A\*s, 3 As and 1 B at GCSE-Level**  
Cardinal Hinsley High School, London [2000]