

PROFILE

Enthusiastic and detail-oriented Software Engineering Undergraduate at Liverpool John Moore's University offering a pro-active approach and driven to successfully finish projects and meet all assigned goals and objectives within schedule. Experienced and proficient using tools throughout the project development lifecycle. I am able to think critically and problematically, self-manage and collaborate effectively engaging as part of a productive team.

EDUCATION

Software Engineering BSc (Hons)

Liverpool John Moore's University

09/2018-08/2023

Liverpool, L3 3AF

- NVQ3 (1st) > NVQ4 (1st) > NVQ5 (on track for a 2:1)
- [Lvl.3] Physics and Mathematics.
- Software Engineering, Data Structures and Algorithms.
- Object-Oriented Systems, Mobile and Web Development.
- Database Systems and Data Modelling.
- Professional Development.

A-Level – Fullbrook Sixth Form College

09/2016-07/2018

Surrey, KT15 3HW

AS-Level: Physics, Core Mathematics and Statistics.

A-Level:

- Computer Science (D)
A2 Project – 'Projectile Simulator'
- Product Design (C)
AS Project – 'Modular Storage'
A2 Project – 'Compact and Affordable Transport'
- Extended Project Qualification (D)
A2 Report – 'The affect development and implementation of AI will have on society?'
- Presentation

GCSE – Fullbrook Secondary School

09/2011-07/2016

Surrey, KT15 3HW

- 100% Attendance Record.
- 9 Grades at A-C, including Maths and English.

TECHNICAL PROJECTS

ELECTRONIC PROGRAMME GUIDE

04/2020

<https://github.com/madelinben/programme-guide>

- Built television guide Java console application.
- Collaborated in group conceptualising, designing, and documenting full software development lifecycle.
- Implemented dynamic ASCII grid view and worked with live EPG data from Bleb API.
- Led and discussed weekly scrum meetings and managed project objectives, monitoring project progress using Git version control and Azure DevOps.

ARCADE CANVAS

05/2020

<https://github.com/madelinben/arcade-canvas>

- Built interactive PHP web application, and integrated normalised MySQL database using phpMyAdmin.
- Implemented, dynamic backend and responsive frontend web application, using jQuery and VanillaJS to effect page and animate the Canvas element.

VISUAL ALGORITHMS

12/2019

<https://madelinben.github.io/visual-algorithms/>

- Built HTML5, CSS3 (Flexbox, Grid) and VanillaJS application for visualising advanced algorithms.
- Implemented Bubble, Selection, Insertion, Merge, and Quick Sorting Algorithms.

PROJECTILE SIMULATOR

06/2018

<https://github.com/madelinben/projectile-simulator>

- Built a WinForms student homework desktop application using VB.NET, SQL and Visual Studio.
- Implemented SHA256 encrypted login system and file transfer method.
- Conceptualised and documented full software development lifecycle.

PROFICIENT SKILLS

SDLC – Git – Agile (Scrum)
UML – OOD – MVC – MySQL
VB.NET – Python – Java – PHP7
HTML5 – CSS3 – JavaScript (ES6)
Bootstrap – jQuery – AJAX

EXPERIENCE

Software Developer BF, Booker Flowers & Gifts

03/2021- present

Liverpool, L18 4QY

INTERNSHIP

- Managed and collaborated in planning, documenting, and developing an inform delivery app using React and Node JS Frameworks, using data collected using a Content Management System web scraper, and communicated utilising an API.
- Organised consultations with client to analyse and derive system requirements about feasible system design within the given time/cost constraints.
- Worked and modified existing software to identify bug issues and implement new features.

Bar and Kitchen Staff, The White Hart

08/2020-01/2021

Surrey, KT15 2DS

PART-TIME

- Take and relay orders directly from customers to kitchen.
- Prepare and serve food and drinks around the venue in a friendly manner, pulling pints/ales and mixing cocktail ingredients.
- Clean and organise bar, table areas, and kitchen, upholding cleanliness and hygiene standards.
- Attempt to limit problems handling customer complaints and liability related to excessive drinking.

Butcher Assistant, C.Lidgate

04/2017-12/2019

Surrey, KT15 2BU

PART-TIME

- Worked effectively in a team to plan, organise and control operations to ensure the highest quality service. Contributing to team discussions and often taking an active role to manage other members and supervise newly appointed staff.
- Upheld cleanliness, sanitation and hygiene standards, using proper safety precautions and sanitary measures. Record and inspect requirements related to produce quality in order to order supplies and maintain inventories.
- Direct communication with customers regarding product guidance, order advice, and complaints.

Shop Assistant, Crockford Bridge Farm Shop

10/2016-04/2017

Surrey, KT15 2BU

PART-TIME

- Trusted on tills to sell goods and carry out money exchange and collect checkout balance.
- Maintain shop floor stock and cleanliness, arranging attractive displays.
- Ensured tasks were managed and prioritised effectively.
- Engaged in customer services, greeting customers with a friendly nature and remain composed to resolve an issue helpful advice.

Newspaper Delivery, Martin McColls

03/2013-08/2016

Surrey, KT15 3ES

PART-TIME

- Punctuality and time management.
- Identify pack and delivery customer order slips.

VOLUNTEERING



Young Leader, 2nd New Haw Scout Group

09/2013-06/2018

Surrey, KT15 3AS

- Supporting the adult leadership team to help plan, organise and lead the programme and activities.
- Training scheme included: leadership and responsibility, interpersonal skills, working with challenging behaviour and disability awareness, along with first aid.

ACCOMPLISHMENTS

 07/2018	The Duke of Edinburgh's Award Bronze, Silver, and Gold Level
<ul style="list-style-type: none">• Took an active approach in seeking new experiences and gained valuable skills participating in each of the sections: Physical, Skill, Volunteering, Expedition, and Residential at Gold Level.• Staying calm to solves problems on the spot, using my own initiative and working in a team, organising tasks to meet key deadlines.• Collaboration and research skills to brainstorm and execute a project to present to the group.• Self-managing my personal objectives and staying motivated to complete each section.	
 06/2014	UK SEIKI JUKU KARATE ORGANISATION Shodan (1 st DAN - Black Belt)
<ul style="list-style-type: none">• Gained a driven mindset and motivation to improve my personal knowledge and focused on advancing my technique.• Provided instruction to students at all levels, beginner to advanced, adjusting teaching approach dependant on age and skill level.	

STRENGTHS

- Creative and Engaged Learner
- Interpersonal Communication
- Collaborative Problem Solver
- Critical Thinker
- Team Organisation

HOBBIES

- Tech and Video Games
- Running and Karate
- Guitar

REFERENCES

Derek Crimmins General Manager – Lidgates at Crockford Bridge Farmshop
Email: farmshop@crockfordbridgefarm.co.uk
Tel: 01932 852630
Zoey Barnard Owner – The White Hart
Email: thewhitehartnewhaw@btconnect.com
Tel: 01932 842927