Pierre Charles

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PROFILE

Computer Science graduate with a First-Class honour's degree from the University of Kent and a year's experience as a Front-End Engineer at Holiday Extras Ltd. Having spent part of my final year working as a Web Developer for the Kent Web Solutions team, I am now looking for a role as a software engineer in a company that offers both challenging work and rewarding opportunities to develop both my professional and technical skillsets as a JavaScript developer.

PROFESSIONAL EXPERIENCES

Software Engineer

Garrison Technology Ltd – Waterloo, London

July 2020 – Present

- Working in an Agile environment formed of hardware, firmware, DevOps, customer success engineers, marketing specialists and sales representatives
- Converting legacy Angular platforms to applications using ReactJS
- Implementing mock APIs to replicate production APIs using FeathersJS
- Contributing to UX/UI decisions and creating mock-up designs to improve accessibility on customer facing applications
- Using Storybook to create an internal library for importing and using UI components in many front-end platforms
- Creating pipelines using GitLab CI to ensure that all repositories are monitored and tested when new code changes take place before deployment
- Writing and reviewing end-to-end tests using Cypress and Puppeteer to enforce rigorous testing on newly added features and components
- Liaising with customer success engineers to identify and improve user interfaces
- Working on projects that have tight deadlines whilst also ensuring that all work was to a high standard

Front-End Engineer (Industrial Placement Year)

Holiday Extras Ltd – Hythe, Kent

July 2018 – August 2019

- Worked in an Agile environment in teams formed of engineers, content writers, testers and agile coaches
- Created new features on the Holiday Extras website by learning JavaScript and making use of many libraries such as ReactJS, NodeJS, Backbone, Moment, Lottie etc.
- Wrote and reviewed other engineers' code while also ensuring unit tests were written for all work being delivered
- Used GitHub as version control to submit and review code on a daily basis
- Contributed to UX/UI decisions as well as redesigning multiple sections of the website
- Ensured features supported browsers such as Chrome, Safari, Firefox and especially Internet Explorer
- Led meetings such as Sprint Planning, Retrospectives, Demos to stakeholders while communicating clearly and effectively to teams and board members
- Worked on projects that had strict deadlines, ensuring all work met deadlines and were to a high standard
- Mentored newly joined engineers and made sure that they integrated into the company well
- Participated in conference talks to large crowds

EDUCATION

First-Class Honours - BSc Computer Science with a Year in Industry
University of Kent - Canterbury, Kent
September 2016 – June 2020

Web Development	Algorithms, Correctness and Efficiency
Software Engineering	Operating Systems and Architecture
Internet of Things	Functional and Concurrent Programming
Computational Creativity	Computer Networks and Communication
Further Object-Oriented Programming	Database Systems

St Joseph's College
Beulah Hill - London
September 2008 – June 2015

A-levels: Photography, Mathematics, Information Systems, French

GCSE: 10 GCSEs (A*-C) including Mathematics, English, English Literature and Science

PROJECTS

Musifeel – Facial recognition Spotify playlist generator   LIVE APP - REPOSITORY

Third year Computational Creativity project. Created a facial recognition app that scans users' faces to detect their mood and create Spotify playlists for them depending on their mood. This project uses the faceAPI for facial recognition and the Spotify API to authenticate users to login and have personalised playlists for them depending on their moods.

TumbleBot – C++ project for IoT smart home device   REPOSITORY

Third year Internet of Things project. Created a smart home device that monitors the tumble dryer in a shared household. Learned the basics of C++ and used external libraries to add additional features such as POST requests to third-party libraries like IFTTT, data storage with Firebase Real Time Database and using electronic components to make the smart home system work.

TumbleBotApp – React front-end app for above project   LIVE APP - REPOSITORY

Web app created alongside project above. The aim of this React web app was to fetch data from Firebase Realtime Database and store all information and present them in a UI that is user friendly as well as responsive. This project uses a lot of JavaScript libraries such as MomentJS, ChartJS and Lottie.

TECHNICAL AND OTHER SKILLS

• JavaScript	• Bootstrap	• Java
• NodeJS / ReactJS	• UNIX	• C / C++
• HTML5 / CSS3	• Firebase	
• SASS / LESS	• MySQL	

HOBBIES AND INTERESTS

- Photography
- Swimming
- PC and server building with Linux operating systems and virtual machines

REFERENCES
Available upon request