Charlie Hebert

Software Engineer
US/UK Citizen

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I'm a new graduate seeking a full-stack engineering position working in a fast-paced, agile environment using the latest tools, technology, and best practices.

Education

Trinity College Dublin

Course BA (Mod) in Computer Science and Business - 2:1

Coursework object-oriented & functional programming, algoritms & data structures, databases, web development, distributed systems, computer vision & graphics, telecommunications, user experience

Course Link scss.tcd.ie/undergraduate/computer-science-business

Skills

Proficient in JavaScript, ClojureScript, HTML, CSS, Node.js, Clojure, Bash, Git

Familiar with Java, Python, C, C++, Haskell, PHP, SQL, NoSQL, XML, JSON, UML

Experience

Good Travel Software

Software Developer Intern *Summer 2015*

Led to completion the construction of the front-end of a predictive analytics platform. This improved the firm's product offering with a web application that offers intuitive visualizations and mappings of hundreds of thousands of data points in multiple languages.

The application provides an interface for clients to more accurately and intuitively track user demand and car supply, enabling them to more effectively manage their fleet of vehicles.

MIAC Acadametrics Ltd

Intern *Summer 2014*

Enabled MIAC and its clients to exchange files more quickly and securely than existing FTP approach by building a greenfield, web-based, file-exchange application.

Hard Medium Soft Ltd

Intern *Summer 2013*

Completed a contract to redevelop an accounting platform. I reduced the existing codebase by hundreds of lines of code, modularised many of the existing features, and remade the UI. This resulted in a codebase that was easier to work with and a finished product with an improved user experience.

Projects

Maze Solver

github.com/chooie/maze-solver *Summer 2016*

Developed my understanding of functional programming and the Clojure environment by creating an application to solve mazes.

A user can pass in an unsolved maze - the program will then permute paths through the maze until it finds the optimal solution.

Currency Suite - *Group Project*

store.office.com/currency-suite-WA104379357.aspx?assetid=WA104379357 *Spring 2015*

Led a team in the creation of a Microsoft Excel Add-on that improves the user experience when working with a spreadsheet that includes a variety of currencies.

Users can convert currencies using the most up-to-date exchange rates from the European Central Bank.

Clock.js

github.com/chooie/clock.js - *chooie.github.io/clock.js* *Spring 2015*

Improved my understanding of drawing graphics in a web browser by creating a library that draws simple analog clocks and updates them in real-time.