Constantin Tiron

Software Engineer

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WORK EXPERIENCE

Software Engineer - Conceptualist
EDGE Clinical ⬈

10/2017 – Present   *Southampton, UK*

Focused on solving medical issues including managing clinical trials, developing software and hardware for developing countries, and collaborating with hospitals

EthiopiaEMR

- Created a prototype of a platform to be used in rural clinics for registering patient records, using OpenMRS (open source tomcat software), hosted on a UpBoard - low consumption computer (future plans include making it solar powered)
- Team Leader/ Project Manager - Conducted weekly SCRUM meetings with my team, making sure we're efficient and we have well defined sprints
- Travelled to Ethiopia and demonstrated the functionality of the prototype to the medical staff in several hospitals, used their feedback to further develop the user interface and functionality

Contact: *Prof. James Batchelor, Director of CIRU – j.batchelor@soton.ac.uk*

Software Engineer - Intern
iSolutions - University of Southampton

06/2017 – 09/2017   *Southampton*

The IT department in the University of Southampton

Enterprise Content Management Systems Team

- Took part on the development of several University services, including eFolio, blog.soton and sussed
- Created a build for Raspberry Pi that displays websites and videos
- Learnt about good practices for working in an organisation (ITIL)

Contact: *Peter Gibbs, Line Manager – peterg@soton.ac.uk*

Freelance Web Developer
UpWork

06/2015 – 06/2017

https://www.upwork.com/o/profiles/users/_~01678476a264989c85

Achievements/Tasks

- 100% Job Success and Client Satisfaction
- Improved communication skills
- Learnt how to deal with real-world clients and handle client-related problems

ACTIVITIES

Electronics and Computer Science Society - Industry Officer (05/2018 – 05/2019)
Organising hackathons and employability events, in collaboration with multiple important companies including J.P.Morgan, Arm, American Express and IBM.

Hackathons
J.P. Morgan's Code for Good, IEEEXtreme (3rd place) and the ECSS Hackathon (3rd place).

EDUCATION

BSc Computer Science
University of Southampton

09/2016 – 06/2019

Modules

- OO Programming: Java
- Functional Programming: Haskell
- Machine Learning (currently studying)
- Computer Vision and Biometrics (with Mark Nixon) (currently studying)
- Algorithms
- Programming Languages Concepts
- Cloud App Development
- Dissertation in Protein Secondary Structure Prediction using Deep Learning

Mathematics and Informatics
"Roman Voda" National College

09/2012 – 06/2016   *Neamt, Romania*

Courses

- C++
- Oracle Databases
- Maths: Calculus, Analytical Geometry, Matrices, Probability and Statistics
- Algorithms
- Introduction to C#
- Phyisics: Thermodynamics, Mecanics, Optics, Direct Current

PERSONAL PROJECTS

eBay - listing extension for Chrome and Firefox
- Extension that automatically re-lists expired products on eBay, saving the time of merchants

Binance - genetic trading algorithm (ongoing project)
- Uses a genetic algorithm applied on financial indicators over a period of a few months to predict the behaviour of the cryptocurrency market in different
- Integrates sentiment analysis over twitter to create another indicator for the genetic algorithm to use

TECHNICAL SKILLS

Java   Unix   React.js (learning)   Node.js

Python   Haskell   MySQL   Django (learning)

C# (learning)   C++   HTML&CSS   Git

LANGUAGES

English   ● ● ● ●
Romanian   ● ● ● ●
French   ● ● ● ○ ○
Italian   ● ● ○ ○ ○