Joshua Corps

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Profile

I am a recent graduate of Applied Computing at the University of Dundee. I am experienced with a wide range of experience including full-stack Javascript such as Node.js, React, MongoDB and Express. I have developed a number of personal and university projects as well as my personal website with these. I am also familiar with Python, Java, and other databases such as MySQL. Recently, I took a change in path to experience a different country and different industry with teaching English in China. This helped to further my core skills such as public speaking, leadership, and communication and I am now seeking entry into a technical problem-solving based career.

Technical Skills

- Experienced with web technologies such as full-stack Javascript including Node.js, React, Gatsby. Knowledgable in responsive design practices and user experience.
- Proficient with both SQL and NoSQL databases such as MongoDB, MySQL, SQLite, and Redis.
- Familiar with Python, Ruby, Bash, and Java and experience using Unix environments.
- Knowledgable in agile software practices and Test-Driven Development.
- Used a variety of APIs for projects including Twitter and Reddit as well as creating my own.

Work Experience

Lead Foreign English Teacher, May 2019 - May 2020, Fthenakis Kindergarten, Hangzhou, China

- Worked with the school Director to develop the curriculum for a new school following the Project-Based Learning approach. The curriculum contained a lot of technology and interaction such as smartboards and tablets.
- Hosted multiple events for the school and presented in front of large crowds for current students and parents as well as to attract new students.

Software Development Intern, June 2017 - Sept 2017, HM Civil Service, Cheltenham

- I worked within the platforms and infrastructure team.
- Developed a Full-Stack, Ruby, Sinatra, HAML, Foreman web application for provisioning and managing virtual machines. VM's are widely used at the company for testing and development. Previously, employees would need to contact the platforms team and request a member to set-up a VM for them which took up work time. The new system I developed allowed any employee with a use case to login and provision a VM to their specifications and manage it without any interaction required from the platforms team. This took the process from manually managed to fully automated which saved huge amounts of time and effort.

Lab Tutor, Sept 2016 – May 2017, University of Dundee, Dundee

- During labs, assisted students with problems and assignments.
- Took part in marking students presentations at the end of the semester.
- Become more confident breaking down problems to help explain things in a simpler way.

Software Development Intern, June 2016 – Sept 2016, HM Civil Service, Cheltenham

- Joined a team responsible for networks and telecommunications.
- In charge of implementing a new system to handle onboarding and processing of an extremely large dataset for department-wide use to replace the previous slow method. A new dataset arrived weekly and needed to be processed within this time. The solution was developed in Java, Bash and Elastic Search, is completely automated and greatly reduces the processing time from days previously to minutes allowing the data to be in use much quicker.
- Additionally, helped to Maintain existing business projects, prepared and delivered a presentation in front of a large crowd of people from across the department.

Education

BSc (Hons) Applied Computing – First Class Honours, Sept 2014 – June 2018, University of Dundee, Dundee
- Received awards in 3rd and 4th year for outstanding performance, as well as an award in 4th year for the best performing Applied Computing Student.
- Honours Project in machine learning to predict brain age for the purpose of diagnosing autism which was adapted into a journal paper and accepted and published in Nature Scientific Reports.

HNC Software Development – A in Graded Unit, Aug 2013 – June 2014 Dundee and Angus College

Madras College – 1 Advanced Higher B in Computing, 5 Highers A-C in English, Maths, Physics, History, Computing,

Other Skills

- Valuable team player and excellent communication – Throughout my time at University and employment I have enjoyed working in a diverse range of teams and communicating across different levels of knowledge, languages and across departments.
- Excellent at problem-solving – While working on many personal projects and programming I have developed a great sense of solving a problem and strong work ethic to find the solution.
- Leadership – In my most recent role, I led the teaching team for my class as well as leading other foreign teachers, which helped to develop my leadership and confidence.

Awards

Level 3 NCR Prize in Computing, 2017 – University of Dundee
Level 4 NCR Prize in Computing, 2018 – University of Dundee
Computing Open Prize, 2018 – University of Dundee

References available on request