Rodrigo Linares Araoz

Software Engineer

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Education

UNIVERSITY OF MARYLAND, COLLEGE PARK — MAY 2018
B.S. in Computer Science & Minor in Mathematics

MONTGOMERY COLLEGE — JULY 2017
A.A in Computer Science

Skills

PROGRAMMING LANGUAGES:

Proficiency in Java and Python procedural and object-oriented programming (OOP)

Experience with C, Swift, HTML, CSS, PHP, JavaScript, Bash Shell scripting

OTHER TECHNOLOGIES:

Version Control: Git

Database Systems: MongoDB, MySQL, PostgreSQL, and Firebase

Front-End Development: Bootstrap and Angular 2

Server Side Frameworks/Environments: Node.JS and Express

OS: Linux and MacOS command line

OPEN-SOURCE CONTRIBUTIONS:

Github Open-Source projects via Gitter.im

Experience

BUILT, FULL XAMPP STACK APPLICATION — SUMMER 2017

Developed a XAMPP stack fitness application designed for persons of various fitness levels. I was responsible for feature enabling users to build a custom workout routine. The feature utilized MySQL and PHP to store and process the users' exercise selections for different days. Other responsibilities included using HTML, CSS, and Bootstrap to develop the user interface.

DATA MANAGER, JAVA APPLICATION — SPRING 2016

Implemented a Java-based data management system to compute students' grades based on their exam scores. The exams included different question formats, which the system would score based on a user-provided exam key. Upon grading completion, the program stored the data corresponding to each student and displayed different user-desired statistics based on the finalized data.

USER AUTHENTICATION SETUP, FULL MEAN STACK APPLICATION — WINTER 2017

Developed a basic authentication system where users could register and access their profiles. This project served as an introduction to the different technologies and fundamentals of MEAN stack. MongoDB was used to store user credentials and a Node.JS/Express server organized models and queried the database to authenticate users. Additionally, Angular-CLI was used to develop the services and components of the application.

IMPLEMENTATION OF C COMPILER, OCAML APPLICATION — FALL 2016

Implemented a parser and interpreter to read rudimentary C files and print them in a syntactically correct format. Upon completion, the program files were executed and their results were displayed to stdout.

Relevant Coursework

Database Design, Intro to PHP and JavaScript, Intro to Machine Learning, Programming Handheld Systems, Algorithms

*REFERENCES AVAILABLE UPON REQUEST