Justin Irazabal

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EDUCATION

University of Delaware, Newark, DE   December 2018
Bachelor of Science, College of Engineering
Major*: Computer Science*

Selected Coursework: Data Structures & Algorithms, Database Systems, Advanced Web Technologies, Artificial Intelligence, Advanced Software Engineering, Parallel Programming, Secure Software Design

SKILLS

- Programming Languages: Python, Java, JavaScript, C, C++, TypeScript, PL/SQL
- Tools/Frameworks: GitHub, Angular, HTML, CSS, Node.js, VS Code, Agile, Scrum, Bash, Gradle, Maven, ORACLE, MongoDB, Jira, JSON, XML, jQuery, Bootstrap, AWS, Cloud9, Apache Spark
- Spoken Languages: English, Spanish
- Strong collaborative, communicative, and problem solving skills
- Skilled in critical thinking, logic, and decision making

EXPERIENCE

University of Delaware, Newark, DE   August 2016 - Present
Teaching Assistant, Computer Science Dept.
- Administered and taught various lab sections in Python and Java consisting of over 600 students
- Reinforced concepts such as object-oriented programming, data structures, and polymorphism
- Employed paired programming techniques to promote learning in a cooperative environment

RELEVANT COURSE PROJECTS

Advanced Web Technologies, Group Project   October 2018
- Led six-man team in the development of a full stack web application using MongoDB and Node.js as the back-end and Angular 7 framework as the front-end.

Advanced Software Engineering, Group Project   September 2018
- Developed backend API, using Node.js, of an exam server for the Computer Science Department at the University of Delaware
- Deployed internal website in HTML and CSS allowing instructors to upload exam questions to a MongoDB database and add tags to help categorize data

Secure Software Design, Personal Project   September 2018
- Designed and implemented an automated text generator using Markov Chains in C++ by ingesting a file and printing a Tweet based on language structure of aforementioned file

Computer Networks, Personal Project   November 2017
- Created a chat bot using UDP protocol with client-server processing coded entirely in Python using a variety of API's and bash command line

Software Engineering, Group Project   Feb 2017- May 2017
- Collaborated with Delaware NERR (National Estuarine Research Reserve) and developed three games to be put on display for children in Delaware research centers
- Applied core software engineering principles using Model-View-Controller (MVC) design in Java and facilitated completion of three consolidated, organized projects
- Assumed role of team leader and led to efficient development of project during coding phase using Agile and Scrum methodologies

ACTIVITIES / INTERESTS

- Disciplined martial artist with over 10 years of training and a black belt in Kung Fu
- Volunteered as an instructor to teach structured sessions of martial arts classes to over 50 people
- Creating mobile applications and learning new tools for development