

Diana Dayoun Lee

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RELATED EXPERIENCE

Software Developer, Opera Solutions LLC, 12230 El Camino Real, Del Mar, CA

Jan 2016 - Present

- In charge of developing web application that shows analyzed data to clients using **Ruby and Rails, jQuery, and MySQL**
- Improved web application to be more user friendly by updating functionalities and reducing page loading time for large amount of data by 30%
- Built and maintained several automation scripts using **Bash** to automate monthly data generation and validation to improve in time efficiency and enable smooth deployment to production
- Implemented client requested data using **Hadoop, Bash, Python**, and internally created language Signal Hub with analytic team and make improvements to the software according to customer's needs
- Worked on code conversion for analytic data from **Python** and **Apache Pig** to company developed language called Signal Hub to reduce company cost of buying external BI software of ~70K
- Participated in all stages of software development cycle for several projects from building software based on business requirements, testing, and deploying to production while constantly communicating with business, analytic, and IT team
- Gained experience using several Big Data related software and framework such as Hadoop, Pentaho, Tableau, and more

Software Engineer Intern, Opera Solutions LLC, 12230 El Camino Real, Del Mar, CA

Jan 2015 - Sep 2015

- Developed several automated testing frameworks for Python written codes and web applications using **Java, Bash**, and **Selenium WebDriver** and run it on **Jenkins**
- Reported found issues to responsible teams and participated on debugging using **Java, Python**, and **Ruby on Rails**

Android Studio Principle Leader/Developer, UC San Diego Android Studio, La Jolla, CA

Oct 2013 - Jun 2014

- Shared ideas and developed android applications with other members to reach the goal of releasing well-made applications through team work and fresh ideas
- Conducted weekly training session with about 20 people with no android programing experience to gain interest in programing and provide lectures on basic android programming knowledge
- Created official web site that show relevant events, educational works, and group information

RECENT PROJECTS

LifeTimeLine Web Application

- Allow users to input lifetime events with emotional status to display it on web as a time table. Functions include basic CRUD functionality, synchronized viewing between timeline and table, and etc. Created using **AngularJS, Node.js**, and **MongoDB**

Study Buddy Android Application

- A study assistant android application that uses virtual flash cards to help users' study developed using **Java** and **MySQL**

SAT Vocabulary Android Application

- Created a SAT Vocabulary Dictionary Application for J&H Academic Consulting Company using **Java** and **Parse** data storage platform

TECHNICAL SKILLS

Programming Languages: Bash, Rails, JavaScript, jQuery, Java, Python, Database (MySQL, PostgreSQL, MongoDB), HTML, CSS

Tools: Linux/Unix, Jenkins, Hadoop, Rails, Git, SVN, Google API, Bootstrap

EDUCATION

University of California - San Diego

December, 2015

Bachelor of Science, Computer Science