

LOUIS AROKIARAJ GILBERT

2632 Ellendale Place, Los Angeles, CA

louisarg@usc.edu | +1(201)-665-8262 | <http://www-scf.usc.edu/~louisarg/> | <https://www.linkedin.com/in/louisarg>

OBJECTIVE & SUMMARY

- Proficient in JAVA, C/C++ and JavaScript languages
- Have 1.5 years of experience in Full Stack Software Development
- Confident and interested in Kernel Programming and Web Application Development

EDUCATIONAL EXPERIENCE

University of Southern California, Los Angeles, CA (USC)

May 2017

Master of Science in Computer Science, Viterbi School of Engineering

CGPA: 3.6 / 4

Coursework: Analysis of Algorithms, Operating Systems, Database Systems, Web Technologies, Applied Natural Language Processing, Information Retrieval on Web Search Engines.

National Institute of Technology Puducherry, India (NIT)

May 2014

Bachelors of Technology, Computer Science and Engineering

CGPA: 3.92 / 4

SKILL SET

Languages: Java, C/C++, SQL, Ruby on Rails, JS, NodeJS, jQuery, ANT, HTML5, Bootstrap 3
Frameworks: High Charts, QEMU emulator and Apache Pig
Applications: KML (Google Earth), ArcGIS, Java VisualVM
Database: MS SQL, IBM DB2, Oracle 11g+Spatial DB
Software Dev. Process: Agile, Test Driven Development, Pair Programming
Robotics Components: Arduino Studio, ATmega128rfa1, ATmega168, Rotary Encoder, and Servo Motor
Mobile App Development: iOS development, Android
Operating Systems: MAC 10.7 and later, Unix, Ubuntu

PROFESSIONAL EXPERIENCE

ZESTFINANCE, Los Angeles, USA, Software Engineer Intern

May 2016 – August 2016

- Developed **Data Driver Testing** framework (CA QA Test System) for BASIX using rspec and rails
- Developed **BASIX self service authentication** with Facebook using **Omniauth** and **Devise** gem
- Optimized the running time of regression testing framework (main_st_test_suite) of product BASIX

MISYS R&D, Bangalore, India, Associate Software Engineer

June 2014 - June 2015

- Developed **Rule Engine** module using javacc parser and dynamic generation of .drl to compute the rule
- **Automation of the build deployment** onto the developer's environment using Apache ant and Java technologies
- **Performance optimization and enhancement of business screens** to match the SLA of 3 sec

RESEARCH PROJECT

iOS Development on FUPPY, USC

May 2016

Directed Research under **Prof. Barry Boehm** on iOS application development to the project named **FUPPY**

ACADEMIC PROJECTS

GESTURE CONTROLLER ROBOTIC ARM, NIT

May 2014

We built a hardware prototype on gesture controlled robotic arm that can be programmed to do recorded tasks autonomously using ATmega128rfa1 and ATmega168 microcontrollers and Arduino Programming.

Kernel hacking, USC

December 2015

Implemented the complete **Virtual Memory**, process **Address Space**, **VFS** and **Process / Thread** procedures of WEENIX

Responsive Web Application, USC

April 2016

Developed a responsive web application to retrieve live stock details, integrated with Facebook and hosted on Google Cloud

Spatial Query, USC

April 2016

Calculate **Convex Hull** for various collected co-ordinates, visualize it using KML and calculate the nearest neighbors using kNN algorithm

ACCOLADES

- Placed in TOP 3 Projects of **MISYS HACKATHON 2014**
- YEARLY AWARD of **Best Employee 2015**, MISYS
- Participated in **OLA APPATHON**, India where we had to develop a complete mobile application in 24 hrs.
- Received **Best Project Award** for final year project on "**GESTURE CONTROLLED ROBOTIC ARM**"