

Lance Galletti



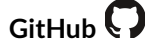
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Skills

Programming

OCaml	★★★★
Python	★★★★
Docker	★★★★
C/C++	★★★★
Java	★★★★
SQL/NoSQL	★★★★
JavaScript	★★★★
Go	★★★★
Haskell	★★★★
Clojure	★★★★
React	★★★★
Scala	★★★★

Other

Functional Programming,
Probability Theory, Pure
Mathematics, Compilers,
Distributed computing, Linear
Algebra, Lambda Calculus,
Blockchain

Awards

UROP Award 2013/2014
Employee of the year 2016

Citizenship

United States
France

Education

Boston University / M.S Comp. Sci.

JAN 2017 - MAY 2018

Coursework: Distributed Systems, Data Mining, Advanced Databases, Prog. Langs, Advanced Algorithms, Computer Systems, Optimization Methods, Lambda Calculus

Boston University / B.A Statistics

SEPT 2012 - MAY 2016

Coursework: Statistical Machine Learning, Advanced Stochastic Processes, Functional Analysis, Time Series, Generalized Linear Models, Advanced Probability Theory

Professional Experience

Red Hat / Openshift Software Engineer

May 2018 - PRESENT, BOSTON

- Created an end to end monitoring system for improving the rates at which products are updated and shipped through data-driven insights into pipeline bottlenecks.
- Currently working on the Open Source platform OpenShift. By integrating advanced Kubernetes constructs called Operators, clients will be able to better manage and maintain applications developed on their cluster.

BU Spark! / Edtech Software Engineer

SEPT 2017 - MAY 2018, BOSTON

- Developed, in Python Flask a team management Web Application for consultants. This is now a required tool for CS492.
- Provisioned a postgresQL database to automate with a python app the semesterly matching of students to industry mentors.
- Implemented Team Formation Algorithms in Python for the SheHacks hackathon at BU. An opt-in tool that sent personalized, introduction emails to team members prior to the event

Global App Initiative / Lead Android Developer

SEPT 2017 - MAY 2018, BOSTON

- Lead a team of 20 students to create an Android Application, utilizing the GitHub Open Source workflow, for the International Labour Organization .
- Developed in Java, the app utilizes Firebase to store and retrieve data. The app provides business and entrepreneurship training and aims to empower users in the process.

Projects

Open Source Contributor / Applied Type System

JUNE 2017 - PRESENT, GITHUB

- Developing and maintaining tools that combine the powerful type system of ATS with the Machine Learning libraries of R and allow for co-programming of ATS and R to increase productivity and reduce the need for expensive runtime tests.

Blockchain CLI / ATS + C

APRIL 2018 - MAY 2018, GITHUB

- Implemented a Blockchain Command Line Interface with the following features: 1) Currency and transaction validation, 2) Smart contract language based on untyped lambda calculus, 3) Query language for database creation and decentralized backup.

Twitter Exploratory Data Analysis / IPython

NOV 2017 - DEC 2017, GITHUB

- Collected, using the Twitter API, over 20 thousand tweets in a MongoDB database.
- Used Support Vector Machines, Singular Value Decomposition, Neural Networks, as well as visualization tools in Python to uncover and analyze interesting properties of Tweets