

Lance Galletti



Email
gallettilance@gmail.com



LinkedIn
linkedin.com/in/lancegalletti



GitHub
github.com/gallettilance

Skills

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

Awards

UROP Award 2013/2014
Employee of the year 2016

Projects

Open Source Contributor / Applied Type System

JUNE 2017 - AUG 2018, 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.

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

Boston University / Lecturer

Sept 2019 - PRESENT, BOSTON

- Teaching a graduate Machine Learning course every semester to 120 upper level undergraduate and graduate students.

Red Hat / Software Engineer

JAN 2019 - PRESENT, BOSTON

- Working directly with partners developing Operators to guide their product development strategies given the current state of OLM tooling and informing the future state of OLM tooling by recognizing new use cases and common pain points.
- Part of the Operator Lifecycle Manager team I developed the OLM operators which manage the lifecycle of operators on Kubernetes: install, update, and dependency resolution.

Red Hat / Associate Software Engineer

AUG 2018 - DEC 2019, BOSTON

- Created the backend infrastructure for hosting the current registry for Kubernetes OLM Operators operatorhub.io.

Red Hat / Software Engineer Intern

May 2018 - Aug 2018, BOSTON

- Developed on [opendatahub](https://opendatahub.io) to create a data pipeline for collecting, storing, visualizing and creating analytics on data related to container verification and aimed to uncover release pipeline bottlenecks.

BU Spark! / Project Manager

SEPT 2017 - MAY 2018, BOSTON

- Managed a dozen student teams working on a variety of technical projects with non-profits, governments, and private industries.

Statistical Programming Instructor / Questroom School of Business, BU

SEPT 2015 - MAY 2016

- Taught statistics and statistical programming in R, STATA, SAS and SPSS in the form of 3 to 4 weekly workshops.

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

UROP Research / Probability Theory

SUMMER 2013 / 2014

Conducted research on probability theory. Particularly, long range dependence and random matrix theory.