Lance Galletti

Email
gallettilance@gmail.com

Portfolio </>
gallettilance.org

LinkedIn
linkedin.com/in/lancegalletti

GitHub
github.com/galletti94

Skills ✗

Programming

Java	★★★
Python	★★★
Docker	★★★
ATS	★★★
LaTeX	★★★
SQL	★★★
JS	★★★
Go	★★☆
C#	★★☆
Clojure	★★☆
React	★★☆
Scala	★★☆

Other ⚙

Machine Learning, Deep Learning, Statistics, Probability, Pure Mathematics, Abstract Reasoning, Data visualization, Distributed computing, Networking, Team management
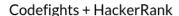
Other Experience 💼

- SheHacks hackathon Judge
- CS Teaching Assistant
- R, SPSS, STATA Instructor
- Innovation Data Analyst

Awards 🏆

UROP Award 2013/2014

Hobbies 🧩

Codefights + HackerRank

References

Evimaria Terzi, *Associate Professor*
evimaria@cs.bu.edu

Education 🎓

Boston University / M.S Comp. Sci.
JAN 2017 - MAY 2018, GPA 3.8
Coursework: Distributed Systems, Data Mining, Advanced Databases, Programming Languages, Advanced Algorithms, Computer Systems, Optimization Methods

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 💼

BU Spark! / Edtech Software Engineer
SEPT 2017 - PRESENT, BOSTON

- Developed, in Python, using the typeform API, a team management Web Application for consultants. This is now a required tool for CS492.
- Automated, in JS, Django, and Go, the semesterly matching of hundreds of students to industry mentors. By provisioning postgreSQL databases, and creating a high-performance app that consolidates internal and external API data, we produce optimal pairings.
- 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 - PRESENT, BOSTON

- Leading 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 pulls content from a MongoDB database through an API we created with Python Django.

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.

Computer Vision Android App / Java
JAN 2017 - FEB 2017, GITHUB

- Implemented a Neural Network library from scratch to recognize images of digits and letters taken with the phone's camera.
- Sends tagged photos to a postgreSQL database to improve the Machine Learning model

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

Photo Sharing Web Application / Heroku
OCT 2017 - NOV 2017, GITHUB

- Gained experience at Full Stack Development on Heroku by implementing a social network platform. Users can post photos, like, comment, hashtag, friend and more.
- Photo and friend recommendations are provided to all users of the platform