

# Lance Galletti

## Software Engineer

### About

**Email**   
gallettilance@gmail.com

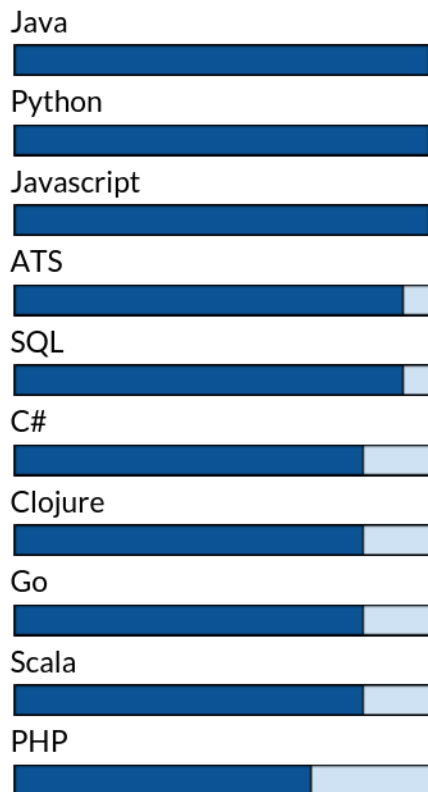
**Portfolio**   
gallettilance.org

**LinkedIn**   
linkedin.com/in/lancegalletti

**GitHub**   
github.com/galletti94

**Citizenship**   
American + French

### Skills



### Awards

UROP Award 2013/2014

### Hobbies

Codefights + HackerRank

## 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 CS496.
- Automated, in Javascript, Python's Django, and Go, the semesterly matching of hundreds of students to industry mentors. By provisioning a postgresSQL database, 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, introductory group-emails to team members prior to the hackathon.

### Global App Initiative / Lead Android Developer

SEPT 2017 - PRESENT, BOSTON

- Leading a team of 20 undergraduate developers to create an Android Application for the International Labour Organization.
- We are utilizing the GitHub Open Source workflow for development.
- 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 postgresSQL 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 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

## Education

**Boston University** / B.A Mathematics

SEPT 2012 - MAY 2016

**Boston University** / M.S Comp. Sci.

JAN 2017 - MAY 2018

GPA 3.8