Lance Galletti

Software Engineer

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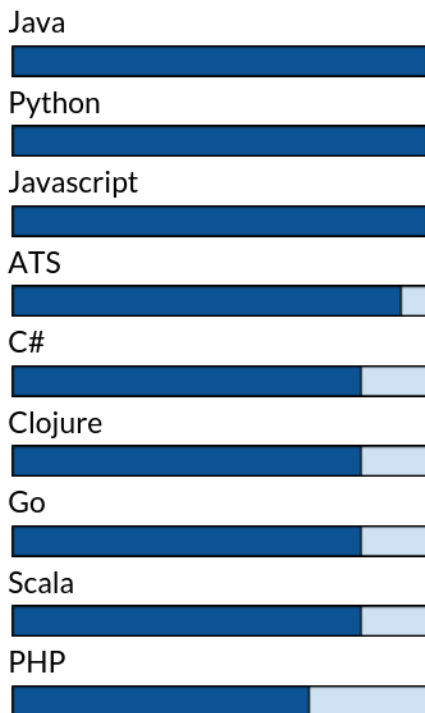
Phone
617-997-5081

Portfolio
gallettilance.org

LinkedIn
linkedin.com/in/lancegalletti

GitHub
github.com/galletti94

Skills 🛠

Java

Python

Javascript

ATS

C#

Clojure

Go

Scala

PHP

Awards 🏆

UROP Award 2013/2014

Professional Experience 💼

BU Spark! / 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 postgreSQL 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 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 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 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
GPA 3.0

Boston University / M.S Comp. Sci.
JAN 2017 - MAY 2018
GPA 3.8